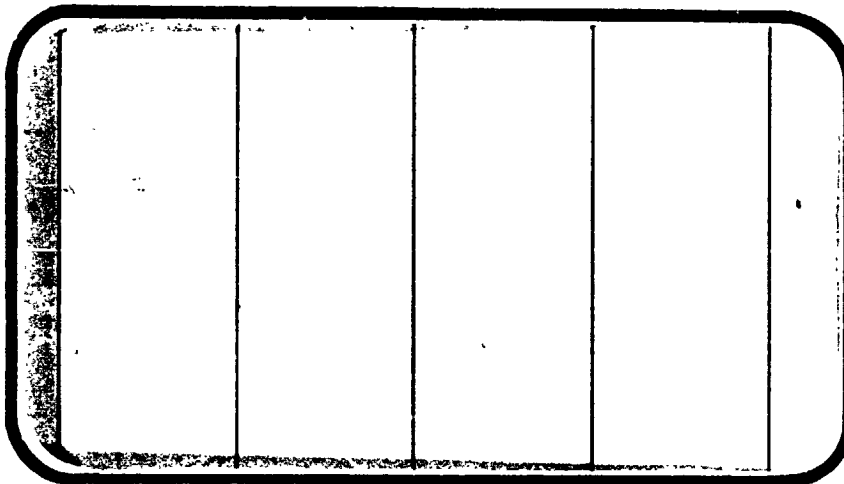




NASA

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



(NASA-CR-144580) LANDING PRESSURE LOADS OF
THE 140A/B SPACE SHUTTLE ORBITER (MODEL
43-0) DETERMINED IN THE ROCKWELL
INTERNATIONAL LOW SPEED WIND TUNNEL (CA69),
VOLUME 1 Aerothermodynamic Data Report

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SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT



JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services

SPACE DIVISION



**CHRYSLER
CORPORATION**

December, 1975

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VOLUME 1 OF 2

LANDING PRESSURE LOADS OF THE -140A/B
SPACE SHUTTLE ORBITER (MODEL 43-0) DETERMINED IN THE
ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL
(0A69)

by

T. L. Soard
Rockwell International

Prepared Under NASA Contract Number NAS9-13247

by

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Chrysler Corporation Space Division
New Orleans, La. 70189

for

Engineering Analysis Division
Johnson Space Center
National Aeronautics and Space Administration
Houston, Texas

WIND TUNNEL TEST SPECIFICS:

Test Number: NAAL 711
NASA Series Number: OA69
Test Dates: 27 through 31 August 1973
Model Number: 43-0

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LANDING PRESSURE LOADS OF THE -140A/B
SPACE SHUTTLE ORBITER (MODEL 43-0) DETERMINED IN THE
ROCKWELL INTERNATIONAL LOW SPEED WIND TUNNEL

(OA69)

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T. L. Soard
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ABSTRACT

The data presented in this report were obtained during wind tunnel tests of a 0.0405 scale model of the -140A/B configuration of the Space Shuttle Vehicle Orbiter. These tests were conducted in the Rockwell International Low Speed Wind Tunnel (NAAL) during the period of August 28, 1973 to August 31, 1973. NASA Space Shuttle test designation is OA69.

The primary test objective was to obtain pressure loads data from the orbiter in the landing configuration in the presence of the ground for structural strength analysis. This was accomplished by locating as many as 30 static pressure bugs at various locations on external model surfaces as each configuration was tested. A complete pressure loads survey was generated for each configuration by combining data from all bug locations, and this report describes those loads for the fuselage, wing, vertical tail, and landing gear doors.

Aerodynamic force data was measured by a six component internal strain gage balance. This data was recorded to correct model angles of

attack and sideslip for sting and balance deflections and to determine the aerodynamic effects of landing gear extension.

All testing was conducted at a Mach number of 0.165 and a Reynolds number of 1.2×10^6 per foot. Configurations tested included elevator deflections of 0° , -20° , and -40° , and rudder deflections of 0° , -7.5° , and -15° . The angle of attack range was -3° to $+16^\circ$ with the model center of rotation remaining at the same height above the ground plane throughout the test. All configurations were tested at angles of sideslip of 0° and $\pm 10^\circ$.

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* Multi-grid plots with X/LB values listed at the top of each plot page.
The first value listed corresponds to the left plot grid.

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* Multi-grid plots with alpha values listed at the top of each plot page.
The first value listed corresponds to the left plot grid.

INDEX OF DATA FIGURES (Concluded)

PLOTTED COEFFICIENTS SCHEDULE:

- A) CL, CN, CLM, CDF, CAF, CAB, XCP/L vs. ALPHA:
CL vs. CDF, CLM; L/DF vs. ALPHA
- B) CY, CBL, CYN vs. ALPHA
- C) CP vs. X/LB
- D) CP vs. PHI
- E) CP vs. X/CW
- F) CP vs. X/CV
- G) CP vs. X/LG

NOMENCLATURE General

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C _p	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; V/a
p		pressure; N/m ² , psf
q	Q(NSM) Q(PSF)	dynamic pressure; $1/2\rho V^2$, N/m ² , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
α	ALPHA	angle of attack, degrees
β	BETA	angle of sideslip, degrees
ψ	PSI	angle of yaw, degrees
ϕ	PHI	angle of roll, degrees
ρ		mass density; kg/m ³ , slugs/ft ³

Reference & C.G. Definitions

A _b		base area; m ² , ft ²
b	BREF	wing span or reference span; m, ft
c.g.		center of gravity
\bar{L}_{REF} \bar{c}	LREF	reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m ² , ft ²
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
∞	free stream

NOMENCLATURE (Continued)

Body-Axis System

<u>SYMBOL</u>	<u>PLOT SYMBOL</u>	<u>DEFINITION</u>
C_N	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
C_A	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_{A_b}	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
C_{A_f}	CAF	forebody axial force coefficient; $C_A - C_{A_b}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS \ell_{REF}}$
C_n	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CLB	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

Stability-Axis System

C_L	CL	lift coefficient; $\frac{\text{lift}}{qS}$
C_D	CD	drag coefficient; $\frac{\text{drag}}{qS}$
C_{D_b}	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
C_{D_f}	CDF	forebody drag coefficient; $C_D - C_{D_b}$
C_Y	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
C_m	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS \ell_{REF}}$
C_n	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
C_l	CLB	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
L/D	L/D	lift-to-drag ratio; C_L/C_D
L/D _f	L/DF	lift to forebody drag ratio; C_L/C_{D_f}

NOMENCLATURE (Continued)
Surface Deflections

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
δ_e	ELEVON	elevon surface deflection angle, positive deflection, trailing edge down; degrees
δ_f	BDFLAP	body flap surface deflection angle, positive deflection, trailing edge down; degrees
δ_r	RUDDER	rudder surface deflection angle, positive deflection, trailing edge to the left; degrees

ADDITIONS TO STANDARD NOMENCLATURE
FOR TEST OA69

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
x/ℓ_B	X/LB	<p>fuselage local coordinate, longitudinal distance from the nose expressed as a fraction of body length</p> $X/LB = \frac{F.S. - 235}{1290.3}$ <p>(F.S. = full scale fuselage station)</p>
ϕ	PHI	<p>fuselage local coordinate, radial position angle measured from the bottom centerline in degrees, 0° to 180° on both sides.</p>
$\eta, \frac{y}{b/2}$	Y/BW	<p>wing local coordinate, spanwise distance from model centerline expressed as a fraction of wing semispan.</p>
x/c	X/CW	<p>wing local coordinate, chordwise distance from the local leading edge expressed as a fraction of local chord.</p>
$\eta_v, \frac{z}{b_v}$	Z/BV	<p>vertical tail local coordinate, vertical distance from W.L. 500 (full scale) expressed as a fraction of the vertical tail height measured from W.L. 500.</p>
x/c	X/CV	<p>vertical tail local coordinate, chordwise distance from the local leading edge expressed as a fraction of local chord.</p>

NOMENCLATURE (Concluded)

<u>Symbol</u>	<u>Plot Symbol</u>	<u>Definition</u>
x/l_G	X/LG	landing gear door local coordinate, distance from the leading edge expressed as a fraction of door length.
x/h_G	Z/HG	landing gear door local coordinate, distance from the upper edge expressed as a fraction of the door width.
A_{BC}		balance chamber area, ft. ²
$C_{A_{BC}}$		balance chamber axial force coefficient.
C_{AT}		weight tare axial force coefficient.
C_{AU}		uncorrected axial force coefficient.
CRFS		model longitudinal center of rotation, in fus. sta.
CRWF		model vertical center of rotation, in. W.F.
	GP.POS	wing trailing edge height above ground plane, fraction of wing span, at $\alpha = 0^\circ$
P_B		base pressure, psia.
P_{BC}		balance chamber pressure.
$P_{B1}, P_{B2}, \dots, P_{B5}$		base pressure at stations 1, 2, ..., 5, respectively, psia.
X_{cp}/L_B	XCP/L	longitudinal center of pressure, fraction of body length.

The model tested was an 0.0405 scale representation of the -110 A/B configuration of the Rockwell International Space Shuttle Vehicle Orbiter. The model was constructed about an aluminum balance block with a 4.25 inch diameter balance cavity. The body mold lines, wings, and vertical tail attach directly to this block, and all model components are constructed of wood and/or aluminum.

The basic model configuration is of the blended wing-body design utilizing a double delta wing (75/45A_{L.P.}), full span elevons (unswept hingeline), a centerline vertical tail with rudder and/or speedbrake capability, and side mounted manipulator arm housings. A canopy, body flap, orbital maneuvering system, and landing gear attach to the fuselage and complete the basic configuration.

The following nomenclature designates the model components used during this test.

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 007. CONFIGURATION PARAMETERS (Continued)

<u>Component</u>	<u>Description</u>
B ₂₆	-140A/B Baseline Fuselage
C ₉	-140A/B Baseline Canopy, Configuration 3A
E ₂₆	Full Span Split Elevon used on Wing W ₁₁₆ , Configuration 4.
F ₈	Fuselage B ₂₆ Body Flap, Configuration 4
G ₁₅	Landing Gear
M ₇	Fuselage B ₂₆ Oms Pods, Configuration 3A
R ₅	Rudder used on Vertical V ₈ , Configuration 3A
V ₈	-140A/B Baseline Vertical Tail, Configuration 3A
W ₁₁₆	-140A/B Baseline Double Delta Wing, $S_W = 2690 \text{ ft}^2$
X ₉	Transition Grit, .0051 In. Diameter on Nose, .0077 In. Diameter on Wings and Vertical Tail

TEST FACILITY DESCRIPTION

North American Aerodynamics Laboratory (NAAL) 7.75 x 11-foot Wind Tunnel is a continuous flow, closed circuit, single return tunnel capable of speeds up to 200 miles per hour.

The test section is vented to atmospheric pressure and is 7.75 x 11 feet wide and 12 feet long. Power is supplied by a 1250-horsepower nacelle-mounted synchronous motor driving a 19-foot, seven-blade, laminated birch propeller. Airspeed is controlled by using a magnetic clutch to vary the degree of coupling between the motor and propeller. Turbulence is minimized by a damping screen and a honeycomb section in the settling chamber upstream from the contraction cone (ratio 7.53 to 1).

Tests may be conducted using a variety of mounting systems: single strut, double strut, sting strut, reflection plane, cable suspension, or two-dimensional wall. Aerodynamic data may be measured by a planar type external balance system or sting-mounted internal balances. An Astrodata Automatic Data Acquisition System collects, multiplexes, digitizes, and records on magnetic tape 50 channels of force or pressure data or both. Data are then reduced and plotted using automatic data processing equipment and an automatic digital plotter.

The NAAL Wind Tunnel has been operating since June 1943. Calibrations are available over a wide range of test conditions.

DATA REDUCTION

All model force and pressure data was reduced to coefficient form in both the body and stability axis systems. Model angles of attack and sideslip were corrected for sting and balance deflections in addition to the standard facility corrections (wall interference, blockage effects, etc.) applied as required.

Axial force (body axes) was corrected for model weight tare in addition to base pressure effects. Corrections were made prior to the calculation of stability axis data. Axial force corrections were applied in the following manner:

$$C_{AF} = C_{AU} - C_{A_{BC}} - C_{AB} - C_{AT}$$

Where

$$C_{A_{BC}} = \frac{P_{BC} - P_o}{q} \frac{A_{BC}}{S_W}$$

And

$$C_{AB} = \frac{P_B - P_o}{q} \frac{A_B}{S_W}, \quad P_B = 1/5 (P_{B1} + P_{B2} + \dots + P_{B5})$$

And

$$C_{AT} = \text{Model Axial Force Weight Tare}$$

Center of pressure was computed in percent of body length as indicated below:

$$X_{CP/LB} = C.G. \text{ (In. Aft of Nose)} - \frac{C_m}{C_N}$$

DATA REDUCTION - Continued

All model pressure measurements recorded were reduced to coefficient form in the following manner:

$$C_{p_i} = \frac{P_i - P_o}{q}, \quad i = \text{pressure orifice number}$$

All aerodynamic data were reduced to coefficient form using the following reference dimensions:

<u>Symbol</u>	<u>Definition</u>	<u>Full Scale</u>	<u>Model Scale</u>
A_B	Area of base, ft ² (with OMS)		.594
	(without OMS)		.440
A_{BC}	Area of balance cavity, ft ²		.0985
XMRP	Reference C.G., in. aft of nose	841.47	34.080
	, fus. sta.	1076.47	43.597
ZMRP	Reference C.G., waterplane	400.00	16.200
CRFS	Model center of rotation, fus. sta.		47.700
CRWP	Model center of rotation, waterplane		7.503
l_R	Moment reference (orbiter body) length, in.	1290.30	52.257
S	Area of wing, ft ²	2890.00	4.412

DATE : 4.11.1957

TEST : 0A69, NAAI 711	DATE : 11/1/67
TABLE I. TEST CONDITIONS	

[illegible]

TASK 2.5 INCH MK IX

	CAPACITY	ACCURACY	COEFFICIENT TOLERANCE.
NE	1500 LB.	+ .25 ⁶⁰ / ₁₀₀	
SE	750 LB.	+ .25 ⁶⁰ / ₁₀₀	
AF	200 LB.	+ .25 ⁶⁰ / ₁₀₀	
FM			
RM	4000 IN-LB.	+ .25 ⁶⁰ / ₁₀₀	
YM			

COMMENTS:

A. FORCE DATA

[illegible]

TABLE II (Continued)

TEST: OAG9 (NAAL 711)			DATA SET: RUN NUMBER COLLATION SUMMARY							DATE: Post- Test					
DATA SET IDENTIFIER		CONFIGURATION	SCHD.	PARAMETERS/VALUES			NO. OF RUNS	MACH NUMBERS (OR ALTERNATE INDEPENDENT VARIABLE)							
			α	$\delta\theta$	$\delta\gamma$	δf									
RQGR03	B ₅ G ₉ M ₁₅ V ₁₀ E ₂ V ₈ R ₅ X ₉		A	-10	O	O	-H25	N/A	N/A						
04				O											
05				10											
06				-10	-20										
07				O											
08				10											
09				-10	-40										
10				O											
11				10											
12				-10	O	-15									
13				O											
14				10											
15				-10		-7.5									
16				O											
17				10											

NOTES:

- PRESSURE DATA
- COLATED AS A FUNCTION OF MODEL GEOMETRY FOR EACH MACH & α
- LET SETS SEGREGATED BY MODEL COMPONENT
- "IN DATASET IDENTIFIER REPRESENTS COMPONENT IDENTIFIER

X=A ⇒ RIGHT FUSELAGE *

X=B ⇒ LEFT FUSELAGE *

X=F ⇒ BODY FLAP

X=M ⇒ OMS POD OUTSIDE

X=N ⇒ OMS POD INSIDE

X=G ⇒ LEFT MAIN L.G. DOOR OUTSIDE *

X=H ⇒ LEFT MAIN L.G. DOOR INSIDE *

X=J ⇒ LEFT NOSE L.G. DOOR OUTSIDE

X=K ⇒ LEFT NOSE L.G. DOOR INSIDE *

X=L ⇒ LEFT LOWER WING *

X=U ⇒ LEFT UPPER WING *

X=W ⇒ RIGHT UPPER WING *

X=R ⇒ RIGHT VERTICAL TAIL

X=V ⇒ LEFT VERTICAL TAIL

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TABLE II (Continued)
C. COMPONENT/PRESSURE I.D. NUMBER SUMMARY

COMPONENT NAME	DATASET I.D. RDQ---	PRESS. I.D.	CONTROL DEFLECT. δe δR	PRESSURE BUG LOCATIONS (see table IV for complete list)
RIGHT FUSELAGE *	A12-17	1-16 25-30	0 0 0 NOM	X/LB < .732 (F.S. 1180) LEFT X/LB > .783 (F.S. 1245), PHI > 90° RIGHT
LEFT FUSELAGE	B03-11	1-10 11-22	0 0 NOM 0	X/LB < .236 (F.S. 540) X/LB > .302 (F.S. 625)
LEFT FUSELAGE	B12-17	1-16 25-30	0 0 0 NOM	X/LB < .732 (F.S. 1180) X/LB > .783 (F.S. 1245), PHI > 90°
MLG DOOR OUTSIDE MLG DOOR INSIDE	G03-11 H03-11	8-10 11-15	0 0 NOM 0	X/LG < .20 X/LG > .30
LEFT LOWER WING *	L03-11	11-16	NOM 0	{Y/BW = .299, X/CW < .222 RIGHT Y/BW = .352 RIGHT
LEFT UPPER WING *	U03-11	11-22	NOM 0	{Y/BW = .299, X/CW > .358 LEFT Y/BW > .405 LEFT
LEFT UPPER WING *	U12-17	11-16	0 0	{Y/BW = .299, X/CW < .222 RIGHT Y/BW = .352 RIGHT
RIGHT UPPER WING *	W12-17	11-22	0 0	{Y/BW = .299, .353 < X/CW < .695 LEFT Y/BW > .405, X/CW < .574 LEFT Y/BW > .534 LEFT
		25-30	0 NOM	{Y/BW = .299, X/CW > .831 LEFT & RIGHT Y/BW = .405, X/CW > .763 LEFT & RIGHT

* For the right fuselage and all wing datasets, the complete surface is represented by combining data from opposite sides and sideslip angles.

TABLE II (Continued)
C. COMPONENT/PRESSURE I.D. NUMBER SUMMARY (Concluded)

COMPONENT NAME	DATASET I.D. RDQ---	PRESS. I.D.	CONTROL DEFLECT. δ_e δ_R	PRESSURE BUG LOCATIONS (see table IV for complete list)
BODY FLAP	F03-11	22	NOM 0	ALL
BODY FLAP	F12-17	30	0 NOM	ALL
OMS POD OUTSIDE OMS POD INSIDE	M03-11 N03-11	22	NOM 0	ALL
OMS POD OUTSIDE OMS POD INSIDE	M12-17 N12-17	30	0 NOM	ALL
NLG DOOR OUTSIDE NLG DOOR INSIDE	J03-05 K03-05	1-8	0 0	ALL
RIGHT VERT. TAIL	R12-17	23-30	0 NOM	ALL
LEFT VERT. TAIL	V03-11	15-22	NOM 0	ALL
LEFT VERT. TAIL	V12-17	23-30	0 NOM	ALL

TABLE II: TEST 0A63 DATA SET COLLATION SHEET (Continued)

☐ PRETEST
☒ POSTTEST

D. PRESSURE I.D./RUN NUMBER SUMMARY

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION							NO. OF RUNS	PRESSURE ID										+500# NUMBERS																
		a	b	δc	δr	δf	M		OFF	1		2	3	4	5	6	7	8	9	10																		
222	BAC - GS	A	-10	0	0	-425	165		202																													
			-5						203																													
			0						204																													
			+10						205																													
	BAC		-10						99	1	4	7	10	13	16	19	22	25	28																			
			0						200	2	5	8	11	14	17	20	23	26	29																			
			+10						201	3	6	9	12	15	18	21	24	27	30																			
															</																							

1 7 13 15 25 31 37 43 49 55 61 67 75.76

COEFFICIENT: LA = -3.0.5.10.13.16

a or b IDPVAR (1) IDPVAR (2) NDV

SCHEDULES BAC = BAC9 G15 17 F8 W116 E26 V8 R5 X9

TABLE 'II.' TEST

OA69

DATA SET COLLATION SHEET (Continued)

☐ PRETEST☒ POSTTEST

D. PRESSURE I.D./RUN NUMBER SUMMARY (Continued)

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION				NO. of RUNS	PRESSURE ID																		HIGH NUMBERS			
		α	β	δ_c	δ_r	δ_f	δ_t		11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
RDQ	BASIC	A	-10	0°	0°	-1425	145		31	43	52	61	70	79	88	100	103	115	124	136										
			0						32	44	53	62	71	80	89	101	104	116	125	137										
			+10						33	45	54	63	72	81	90	102	105	117	126	138										
			-10	-20°					37	40	55	58	73	76	91	94	106	118	121	133										
			0						38	41	56	59	74	77	92	95	107	119	122	134										
			+10						39	42	57	60	75	78	93	96	108	120	123	135										
			-10	-40°					34	46	49	64	67	82	85	97	109	112	127	130										
			0						35	47	50	65	68	83	86	98	109	110	113	128	131									
			+10						36	48	51	66	69	84	87	99	110	111	114	129	132									

*NOTE: RUN NOS. 145-150 ARE FINAL DATA FOR VERTICAL TAIL PRESSURES ONLY. ALL OTHER PRESSURE DATASET COMPONENTS ARE COLLATED USING RUN NOS. 94-102 FOR PRESSURE I.D. NO. 18.

COEFFICIENTS:

 $\alpha A = -3^{\circ} 0' 5'' 10' 13' 16''$ α or β

SCHEDULES

BASIC = B26 C9 G15 M7 F8 W116 E26 V8 R5 X9

IDPVAR(1) IDPVAR(2) NDV

7576

TABLE II. TEST OA69 DATA SET COLLATION SHEET (Concluded)

D. PRESSURE I.D./RUN NUMBER SUMMARY

☐ PRETEST
☒ POSTTEST

DATA SET IDENTIFIER	CONFIGURATION	SCHD.		CONTROL DEFLECTION					NO. of RUNS	PRESSURE ID										HATCH NUMBERS				NOT COLLATED																																																																																																																																																																																																																																																																																																																																			
		α	β	δ_e	δ_r	δ_f	δ_f	δ_f		δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f		δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f	δ_f

1 7 13 19 25 31 37 43 49 55 61 67 75 76

COEFFICIENTS: $\alpha A = -3.0, 5.10, 13.16$

α or β

SCHEDULES $BASIS = B26C9G15M7F8W116E26V8R5X9$

IDPVAR(1) IDPVAR(2) NDV

TABLE III. MODEL DIMENSIONAL DATA

MODEL COMPONENT: BODY - B₂₆

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B₂₆ identical to B₂₄ except underside of fuselage refaired to accept W₁₁₆.

Model Scale = .0405

DRAWING NUMBER: VL70-000193
VL70-000140A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Body Fwd Sta X ₀ = 235) - in.	1290.3	52.25715
Max. Width (at X ₀ = 1520) - in.	262.0	10.61100
Max. Depth (at X ₀ = 1464) - in.	250.0	10.12500
Fineness Ratio	4.92481	4.92481
Area - ft ²		
Max. Cross-Sectional	340.88462	0.55914
Planform		
Wetted		
Base		

TABLE III. (Continued)

MODEL COMPONENT: CANOPY - C_o

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .0405

DRAWING NUMBER

VL70-000140A

VL70-000142A

DIMENSION:

FULL SCALE

MODEL SCALE

Length ($X_o = 434.643$ to 670)

235.357

9.53196

Max Width ($\phi X_o = 513.127$)

152.412

6.17269

Max Depth ($\phi X_o = 485.0$)

25.000

1.01250

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(R)

TABLE III. (Continued)

MODEL COMPONENT: FLEVON - E₂₆GENERAL DESCRIPTION: Configuration 4NOTE: VL70-000400 data for (1) of (2) sides. Identical to E₂₅ except
airfoil thicknessModel Scale = .0405DRAWING NUMBER: VL70-000400
VL70-000400 B

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area	<u>223.5814</u>	<u>0.36673</u>
Span (equivalent)	<u>368.34</u>	<u>14.91777</u>
Inb'd equivalent chord	<u>119.623</u>	<u>4.84473</u>
Outb'd equivalent chord	<u>55.1922</u>	<u>2.23528</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.2096</u>	<u>0.2096</u>
At Outb'd equiv. chord	<u>0.4004</u>	<u>0.4004</u>
Sweep Back Angles, degrees		
Leading Edge	<u>0.00</u>	<u>0.00</u>
Tailing Edge	<u>-10.056</u>	<u>-10.056</u>
Hingeline	<u>0.00</u>	<u>0.00</u>
Area Moment (Normal to hinge line)	<u>851.1502</u>	<u>0.05654</u>

TABLE III. (Continued)

MODEL COMPONENT: Body Flap - F₈

GENERAL DESCRIPTION: Configuration 4

Model Scale - .0405
DRAWING NUMBER VL70-000140B, VL70-000100

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	94.856	3.84167
Max Width in.	262.308	10.62347
Max Depth in.	23.000	0.93150
Fineness Ratio		
Area - ft ²		
Max Cross-Sectional		
Planform	158.85350	0.26056
Wetted		
Base	41.89642	0.06872

TABLE III. (Continued)

MODEL COMPONENT: LANDING GEAR - G15

GENERAL DESCRIPTION: Main and nose landing gear, doors, and assemblies. Gear are in extended position, nose gear doors open 45°, main gear doors vertical.

MODEL SCALE: 0.0405

DRAWING NUMBER: VL70-000140A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
<u>NOSE GEAR</u>		
Number of wheels	2	2
Wheel axis:		
Fuselage station	374.74	15.177
Waterline	221.51	8.971
Wheel diameter, in.	32.00	1.296
Wheel width, in:		
Each wheel	8.80	0.356
Centerline-to-centerline	22.0	0.891
Main strut diameter, in.	7.72	0.312
Side door, both sides:		
Length, in.	105.93	4.290
Width (follows body contour)	21.53	0.872
Maximum thickness	7.01	0.284
Fuselage station at center of leading edge.	279.5	11.320
<u>MAIN GEAR</u>		
Number of wheels	2	2
Wheel axis:		
Fuselage station	1178.00	47.709
Waterline	185.26	7.503
Wheel diameter, in.	44.20	1.79
Wheel width, in:		
Each wheel	16.05	0.65
Centerline-to-centerline	36.00	1.458
Main strut diameter, in.	9.26	0.375
Buttplane of main strut centerline	138.0	5.589
Side door:		
Length, in.	156.05	6.32
Width, in.	68.64	2.78
Maximum thickness, in.	7.90	0.32
Fuselage station at top of leading edge	1044.93	42.320
Centerline buttplane	176.27	7.139

TABLE III. (Continued)

MODEL COMPONENT: O/S POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale : ..0405

DRAWING NUMBER VL70-00014CA
VL70-000145

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (O/S Fwd Sta $X_0=1233.0$) - IN.	327.000	13.24350
Max Width (@ $X_0=1450.0$) - IN.	94.5	3.82725
Max Depth (@ $X_0=1493.0$) - IN.	109.000	4.4145
Fineness Ratio		
Area		
Max Cross-Sectional		
Planform		
Wetted		
Base		

TABLE III. (Continued)

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell LinesVL70-000095Model Scale = .0405DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT ²	<u>106.38</u>	<u>0.17449</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>8.14050</u>
Inb'd equivalent chord	<u>91.585</u>	<u>3.70919</u>
Outb'd equivalent chord	<u>50.833</u>	<u>2.05874</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT ³	<u>526.13</u>	<u>0.03495</u>
Product of Area and Mean Chord		

TABLE III. (Continued)

MODEL COMPONENT: VERTICAL - V 8GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and 1" lower corner
 where vertical meets fuselage.

Model Scale = .0405

DRAWING NUMBER:

VL70-000140A
 VL70-000146A

DIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft ²	413.253	0.67784
Planform		
Span (Theo) In	315.720	12.78666
Aspect Ratio	1.675	1.675
Rate of Taper	0.507	0.507
Taper Ratio	0.40399	0.40399
Sweep Back Angles, degrees		
Leading Edge	45.00	45.00
Trailing Edge	25.947	25.947
0.25 Element Line	41.130	
Chords:		
Root (Theo) WP	268.500	10.87425
Tip (Theo) WP	108.470	4.39303
MAC	199.80756	8.09221
Fus. Sta. of .25 MAC	1463.50	59.27175
W. P. of .25 MAC	635.522	25.73864
B. L. of .25 MAC	0.00	0.00
Airfoil Section		
Leading Wedge Angle Deg	10.00	10.00
Trailing Wedge Angle Deg	14.920	14.920
Leading Edge Radius (Min) - IN.	2.00	0.0810
Void Area	13.17	0.02160
Blanketed Area	0.00	0.00

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

TABLE III. (Continued)

MODEL COMPONENT: WING-W₁₁₆GENERAL DESCRIPTION: Configuration 4NOTE: Identical to W₁₁₄ except airfoil thickness. Dihedral angle is along
trailing edge of wing.

Model Scale = .0405

TEST NO.

DWG. NO. VL70-000140B
VL70-000400

DIMENSIONS:

FULL-SCALE

MODEL SCALE

TOTAL DATA

Area (Theo.) Ft²

Planform

2690.00

4.41227

Span (Theo) In.

936.6816

37.93560

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees(at X₀=1506.623, Y₀=

3.500

3.500

Incidence Angle, degrees 105, Z₀= 282.75)

0.500

0.500

Aerodynamic Twist, degrees

+3.000

+3.000

Sweep Back Angles, degrees

Leading Edge

45.00

45.00

Trailing Edge

-10.056

-10.056

0.25 Element Line

35.209

35.209

Chords:

Root (Theo) B.P.O.O.

689.2429

27.91434

Tip, (Theo) B.P.

137.8486

5.58287

MAC

474.8117

19.22987

Fus. Sta. of .25 MAC

1126.721

45.63220

W.P. of .25 MAC

291.00

11.78550

B.L. of .25 MAC

187.33491

7.58706

EXPOSED DATA

Area (Theo) Ft²

1812.2205

2.97250

Span, (Theo) In. BP108

736.6816

29.83560

Aspect Ratio

2.058

2.058

Taper Ratio

0.2451

0.2451

Chords

Root BP108

570.6230

23.11023

Tip 1.00 $\frac{b}{2}$

137.8512

5.58297

MAC

354.2376

14.34662

Fus. Sta. of .25 MAC

1164.237

47.15160

W.P. of .25 MAC

292.00

11.82600

B.L. of .25 MAC

239.67786

9.70695

Airfoil Section (Rockwell Mod NASA)
XXXX-64Root $\frac{b}{2}$ = 0.425

0.113

0.113

Tip $\frac{b}{2}$ = 1.00

0.12

0.12

Data for (1) of (2) Sides

Leading Edge Cuff $\frac{2}{2}$

118.333

0.19409

Planform Area Ft²

505.0

20.45250

Leading Edge Intersects Fus M. L. @ Sta

1003.5

40.64175

Leading Edge Intersects Wing @ Sta

TABLE III. (Concluded)

MODEL COMPONENT: Transition Grit X₉

GENERAL DESCRIPTION: .0077 In. nominal diameter grit located 0.1 in. wide, 0.1 in. aft streamwise from leading edge on all swept surfaces and .0054 in. nominal diameter grit locate 0.1 in. wide, 1.0 in. aft of nose

DRAWING NUMBER: _____

DIMENSIONS:

FULL-SCALE

MODEL SCALE

Length

Max. Width

Max. Depth

Fineness Ratio

Area

Max. Cross-Sectional

Planform

Wetted

Base

Table IV Pressure Bug Location

TUBE NO.	I.D. NO. 1		
	FUS. STA.	ϕ	LOC. NO.
1	235	0	F1
2	245	0	F2
3			
4			
5			
6	245	90	F3
7			
8			
9	245	180	F159
10	n	X/C	
11	.25	0	N1
12			
13	.75	0	N2
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			

NOTES:

- (1) I.D. NO. REFERS TO PRESSURE BUG CONFIGURATION (SEE TABLE II FOR RUN NUMBERS AND TEST CONDITIONS)
- (2) LOCATION NO. INDICATES COMPONENT ON WHICH A SPECIFIC BUG IS LOCATED:

F = FUSELAGE (LEFT SIDE UNLESS OTHERWISE NOTED)

W = WING

M = LEFT MAIN GEAR DOOR

N = LEFT NOSE GEAR DOOR

V = VERTICAL TAIL

I = INSIDE

O = OUTSIDE

L = LEFT

R = RIGHT

T = TOP

B = BOTTOM

- (3) NO PRESSURES RECORDED ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 2				I.D. NO. 3				I.D. NO. 4			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	265	0	F4		295	0	F13		325	0	F22
2	↑	20	F5		↑	20	F14		↑	20	F23
3	↑	40	F6		↑	40	F15		↑	40	F24
4	↑	55	F7		↑	55	F16		↑	55	F25
5	↑	70	F8		↑	70	F17		↑	70	F26
6	↑	90	F9		↑	90	F18		↑	90	F27
7	↓	120	F10		↓	120	F19		↓	120	F28
8	↓	150	F11		↓	150	F20		↓	150	F29
9	265	180	F12		295	180	F21		325	180	F30
10	η	X/C			η	X/C			η	X/C	
11	.25	.05I	NI3		.25	.20I	NI5		.25	.30I	NI7
12	.25	.05Ø	NØ3		.25	.20Ø	NØ5		.25	.30Ø	NØ7
13	.75	.05I	NI4		.75	.20I	NI6		.75	.30I	NI8
14	.75	.05Ø	NØ4		.75	.20Ø	NØ6		.75	.30Ø	NØ8
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 5				I.D. NO. 6				I.D. NO. 7			
TUBE NO.	FUS. STA.	Ø	LOC. NO.		FUS. STA.	Ø	LOC. NO.		FUS. STA.	Ø	LOC. NO.
1	380	0	F31		425	0	F40				
2	↑	20	F32		↑	20	F41				
3		40	F33			40	F42				
4		55	F34			55	F43				
5		70	F35			70	F44				
6		90	F36			90	F45				
7		120	F37			120	F46				
8	↓	150	F38		↓	150	F47		450	165	F49
9	380	180	F39		425	180	F48		450	180	F50
10	η	X/C			η	X/C			η	X/C	
11	.25	.50I	NI 9		.25	.70I	NI 11		.25	.90I	NI 13
12	.25	.50Ø	NØ 9		.25	.70Ø	NØ 11		.25	.90Ø	NØ 13
13	.75	.50I	NI 10		.75	.70I	NI 12		.75	.90I	NI 14
14	.75	.50Ø	NØ 10		.75	.70Ø	NØ 12		.75	.90Ø	NØ 14
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 8				I.D. NO. 9				I.D. NO. 10			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	475	0	F51						540	0	F61
2	↑	20	F52						↑	20	F62
3		40	F53							40	F63
4		55	F54							55	F64
5		70	F55							70	F65
6		90	F56							90	F66
7	↓	120	F57						↓	120	F67
8		150	F58		500	158	F60			150	F68
9		180	F59							180	F69
10											
	r	X/C			η	X/C			η	X/C	
11	.25	0.0	M 1		.25	.05I	MI 3		.25	.20I	MI 6
12	.25	1.00	N 15		.25	.05Ø	MØ 3		.25	.20Ø	MØ 6
13	.75	1.00	N 16		.50	.05I	MI 4		.50	.20I	MI 7
14					.50	.05Ø	MØ 4		.50	.20Ø	MØ 7
15	.75	0.0	M 2		.75	.05I	MI 5		.75	.20I	MI 8
16					.75	.05Ø	MØ 5		.75	.20Ø	MØ 8
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 11				I.D. NO. 12				I.D. NO. 13		
	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	625	0	F70		725	0	F77		880	0	F84
2											
3	625	40	F71		725	40	F78		880	40	F85
4											
5	625	70	F72		725	70	F79		880	70	F86
6		90	F73			90	F80			90	F87
7	↑	120	F74		↑	120	F81		↑	120	F88
8	↓	150	F75		↓	150	F82		↓	150	F89
9	625	180	F76		725	180	F83		880	180	F90
10											
	η	X/C			η	X/C			η	X/C	
11	.25	.30I	MI 9		.25	.50I	MI 12		.25	.70I	MI 15
12	.25	.30φ	Mφ 9		.25	.50φ	Mφ 12		.25	.70φ	Mφ 15
13	.50	.30I	MI 10		.50	.50I	MI 13		.50	.70I	MI 16
14	.50	.30φ	Mφ 10		.50	.50φ	Mφ 13		.50	.70φ	Mφ 16
15	.75	.30I	MI 11		.75	.50I	MI 14		.75	.70I	MI 17
16	.75	.30φ	Mφ 11		.75	.50φ	Mφ 14		.75	.70φ	Mφ 17
17	.299	0	RW 1		.299	.088T	RW 2T		.299	.222T	RW 3T
18					.299	.088B	RW 2B		.299	.222B	RW 3B
19									.299	.358T	LW17T
20									.299	.358B	LW17B
21	.405	0	LW 7		.405	.020T	LW12T		.405	.052 T	LW18T
22					.405	.020B	LW12B		.405	.052B	LW18B
23	.534	0	LW 8		.534	.020T	LW13T		.534	.05 T	LW19T
24					.534	.020B	LW13B		.534	.05 B	LW19B
25	.673	0	LW 9		.673	.020T	LW14T		.673	.05 T	LW20T
26					.673	.020B	LW14B		.673	.05 B	LW20B
27	.780	0	LW10		.780	.020T	LW15T		.780	.05 T	LW21T
28					.780	.020B	LW15B		.780	.05 B	LW21B
29	.887	0	LW11		.887	.020T	LW16T		.887	.05T	LW22T
30					.887	.020B	LW16B		.887	.05 B	LW22B

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 14				I.D. NO. 15				I.D. NO. 16			
TUBE NO.	FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.		FUS. STA.	φ	LOC. NO.
1	980	0	F91		1080	0	F93		1180	0	F100
2											
3	980	40	F92		1080	40	F94		1180	40	F101
4											
5					1080	70	F95		1180	70	F102
6					↑	90	F96		↑	90	F103
7					↓	120	F97		↓	120	F104
8						150	F98			150	F105
9					1080	180	F99		1180	180	F106
10	η	X/C		10	η	X/C			η	X/C	
11	.25	.90I	MI 18		.158	0	V 1		.158	.02L	LV 6
12	.25	.90Ø	MØ 18		.316	0	V 2		.316	.02L	V 7
13	.50	.90I	MI 19		.600	0	V 3		.600	.02 I	LV 8
14	.50	.90Ø	MØ 19		.840	0	V 4		.840	.02 I	LV 9
15	.75	.90I	MI 20		.75	1.00	M 22		.925	.02 I	LV 10
16	.75	.90Ø	MØ 20		.925	0	V 5				
17	.352	0	RW 4		.352	.080T	RW 5T		.352	.240T	RW 6T
18					.352	.080B	RW 5B		.352	.240B	RW 6B
19					.299	.492T	LW28T				
20					.299	.492B	LW28B				
21	.405	.195T	LW23T						.405	.431T	LW33T
22	.405	.195B	LW23B						.405	.431B	LW33B
23	.534	.15 T	LW24T		.534	.25 T	LW29T		.534	.40T	LW34T
24	.534	.15 B	LW24B		.534	.25B	LW29B		.534	.40B	LW34B
25	.673	.15 T	LW25T		.673	.25	LW30T		.673	.40T	LW35T
26	.673	.15B	LW25B		.673	.25R	LW30B		.673	.40B	LW35B
27	.780	.15 T	LW26T		.780	.25T	LW31T				
28	.780	.15B	LW26B		.780	.25B	LW31B				
29	.887	.15T	LW27T		.887	.25T	LW32T		.887	.40T	LW36T
30	.887	.15B	LW27B		.887	.25B	LW32B		.887	.40B	LW36B

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 17				I.D. NO. 18				I.D. NO. 19		
	FUS. STA.	ϕ	LCC. NO.		FUS. STA.	ϕ	LCC. NO.		FUS. STA.	ϕ	LCC. NO.
1	1245	0	F107		1300	0	F117		1375	0	F126
2	↑	40	F108		↑	40	F118		↑	40	F127
3		70	F109			70	F119			70	F128
4		90	F110			90	F120			90	F129
5		105	F111			105	F121			105	F130
6		120	F112			120	F122			120	F131
7		135	F113			135	F123			135	F132
8		150	F114			150	F124			150	F133
9	↓	165	F115		↓	165	F125		↓	165	F134
10		180	F116								
	η	X/C			η	X/C			η	X/C	
11	.158	.05L	LV11		.158	.15L	LV16		.158	.30L	LV 21
12	.316	.05L	LV12		.316	.15L	LV17		.316	.30L	LV 22
13	.600	.05L	LV13		.600	.15L	LV18		.600	.30L	LV 23
14	.840	.05L	LV14		.840	.15L	LV19		.840	.30L	LV 24
15	.925	.05L	LV15		.925	.15L	LV20		.925	.30L	LV25
16											
17											
18											
19	.299	.695T	LW37T		.299	.831T	LW43T		.299	.864T	LW49T
20	.299	.695B	LW37B		.299	.831B	LW43B		.299	.864B	LW49B
21	.405	.574T	LW38T		.405	.763T	LW44T		.405	.81 T	LW50T
22	.405	.574B	LW38B		.405	.763B	LW44B		.405	.81 B	LW50B
23	.534	.55 T	LW39T		.534	.725T	LW45T		.534	.775T	LW51T
24	.534	.55 B	LW39B		.534	.725B	LW45B		.534	.775B	LW51B
25	.673	.55T	LW40T		.673	.70T	LW46T		.673	.775T	LW52T
26	.673	.55B	LW40B		.673	.70B	LW46B		.673	.775B	LW52B
27	.780	.65T	LW41T		.780	.75T	LW47T				
28	.780	.65B	LW41B		.780	.75 B	LW47B				
29	.887	.60T	LW42T		.887	.75 T	LW48T				
30	.887	.60B	LW42B		.887	.75 B	LW48B				

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

I.D. NO. 20				I.D. NO. 21				I.D. NO. 22			
TUBE NO.	FUS. STA.	ø	LOC. NO.		FUS. STA.	ø	LOC. NO.		FUS. STA.	ø	LOC. NO.
1	1430	0	F135		1480	0	F144		1530	1100	F153
2	↑	40	F136		↑	40	F145		↑	1101	F154
3		70	F137			70	F146			1200	F155
4		90	F138			90	F147		1530	1201	F156
5		105	F139			105	F148		1580	0	F157
6		120	F140			120	F149		1580	40	F158
7		135	F141		↓	135	F150				
8		150	F142			150	F151				
9	1430	165	F143		1480	165	F152				
10	η	X/C			η	X/C			η	X/C	
11	.158	.52L	LV 26		.158	.65L	LV 31		.158	.775L	LV 36
12	.316	.52L	LV 27		.316	.65L	LV 32		.316	.775L	LV 37
13	.600	.52L	LV 28		.600	.65L	LV 33		.600	.775L	LV 38
14	.840	.52L	LV 29		.840	.65L	LV 34		.840	.775L	LV 39
15	.925	.52L	LV 30		.925	.65L	LV 35		.925	.775L	LV 40
16											
17											
18											
19	.299	.898T	LW53T		.405	.905T	LW58T		.299	.966T	LW61T
20	.299	.898B	LW53B		.405	.905B	LW58B		.299	.966B	LW61B
21	.405	.858T	LW54T		.534	.90 T	LW59T		.405	.952T	LW62T
22	.405	.858B	LW54B		.534	.90 B	LW59B		.405	.952B	LW62B
23	.534	.85 T	LW55T						.534	.95 T	LW63T
24	.534	.85 B	LW55B						.534	.95 B	LW63B
25	.673	.85 T	LW56T						.673	.95 T	LW64T
26	.673	.85 B	LW56B						.673	.95B	LW64B
27	.780	.85 T	LW57T						.780	.95 T	LW65T
28	.780	.85 B	LW57B						.780	.95 B	LW65B
29					.887	.90 T	LW60T				
30					.887	.90 B	LW60B				

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

Table IV Pressure Bug Location

TUBE NO.	I.D. NO. 23			I.D. NO. 24			I.D. NO. 25		
			LOC. NO.			LOC. NO.	η	X/C	LOC. NO.
1							.299	.831 T	LW43T
2							.405	.763 T	LW44T
	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
3							1245	90	F 110
4							↑	105	F 111
5								120	F 112
6								135	F 113
7							↓	150	F 114
8								165	F 115
9								180	F 116
10							1245		
	η	X/C		η	X/C		η	X/C	
11	.158	0	V 1	.158	.02 L	LV 6	.158	.05 L	LV 11
12	.316	0	V 2	.316	.02 L	LV 7	.316	.05 L	LV 12
13	.600	0	V 3	.600	.02 L	LV 8	.600	.05 L	LV 13
14	.840	0	V 4	.840	.02 L	LV 9	.840	.05 L	LV 14
15	.925	0	V 5	.925	.02 L	LV 10	.925	.05 L	LV 15
16									
17				.158	.02 R	RV 6	.158	.05 R	RV 11
18				.316	.02 R	RV 7	.316	.05 R	RV 12
19				.600	.02 R	RV 8	.600	.05 R	RV 13
20				.840	.02 R	RV 9	.840	.05 R	RV 14
21				.925	.02 R	RV 10	.925	.05 R	RV 15
							FUS. STA.	ϕ	
22							1245	90	RF 1
23							↑	105	RF 2
24								120	RF 3
25								135	RF 4
26							↓	150	RF 5
27								165	RF 6
							1245		
	η	X/C					η	X/C	
28	.299			.299			.299	.831 T	RW 7T
29	.405			.405			.405	.763 T	RW 8T
30									

NOTE: NO PRESSURES RECORDED
ON TUBE NOS. NOT FILLED IN

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 26			I.D. NO. 27			I.D. NO. 28		
	η	X/C	LOC. NO.	η	X/C	LOC. NO.	η	X/C	LOC. NO.
1	.299	.864 T	LW49T	.299	.898 T	LW53 T	.299	.966 T	LW61 T
2	.405	.810 T	LW50T	.405	.858 T	LW54T	.405	.905 T	LW58T
3	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
4	1300	90	F120	1375	90	F 129	1430	90	F 138
5	\uparrow	105	F121	\uparrow	105	F 130	\uparrow	105	F 139
6	\downarrow	120	F122	\downarrow	120	F 131	\downarrow	120	F 140
7		135	F123		135	F 132		135	F 141
8		150	F124		150	F 133		150	F 142
9	1300	165	F125	1375	165	F 134	1430	165	F 143
10	η	X/C		η	X/C		η	X/C	
11	.158	.15 L	LV 16	.158	.30 L	LV 21	.158	.52 L	LV 26
12	.316	.15 L	LV 17	.316	.30 L	LV 22	.316	.52 L	LV 27
13	.600	.15 L	LV 18	.600	.30 L	LV 23	.600	.52 L	LV 28
14	.840	.15 L	LV 19	.840	.30 L	LV 24	.840	.52 L	LV 29
15	.925	.15 L	LV 20	.925	.30 L	LV 25	.925	.52 L	LV 30
16									
17	.158	.15 R	RV 16	.158	.30 R	RV 21	.158	.52 R	RV 26
18	.316	.15 R	RV 17	.316	.30 R	RV 22	.316	.52 R	RV 27
19	.600	.15 R	RV 18	.600	.30 R	RV 23	.600	.52 R	RV 28
20	.840	.15 R	RV 19	.840	.30 R	RV 24	.840	.52 R	RV 29
21	.925	.15 R	RV 20	.925	.30 R	RV 25	.925	.52 R	RV 30
	FUS. STA.	ϕ		FUS. STA.	ϕ		FUS. STA.	ϕ	
22	1300	90	RF 7	1375	90	RF 13	1430	90	RF 19
23	\uparrow	105	RF 8	\uparrow	105	RF 14	\uparrow	105	RF 20
24	\downarrow	120	RF 9	\downarrow	120	RF 15	\downarrow	120	RF 21
25		135	RF 10		135	RF 16		135	RF 22
26		150	RF 11		150	RF 17		150	RF 23
27	1300	165	RF 12	1375	165	RF 18	1430	165	RF 24
	η	X/C		η	X/C		η	X/C	
28	.299	.864 T	RW 9T	.299	.898 T	RW 11T	.299	.966 T	RW 13T
29	.405	.810 T	RW 10T	.405	.854 T	RW 12 T	.405	.905 T	RW 14T
30									

NOTE: NO PRESSURES RECORDED ON
TUBE NOS. NOT FILLED IN

Table IV
Pressure Bug Location

TUBE NO.	I.D. NO. 29			I.D. NO. 30		
	η	X/C	LOC. NO.	η	X/C	LOC. NO.
2	.405	.952 T	1W 62T			
	FUS. STA.	ϕ		FUS. STA.	ϕ	
1				1530	110 ϕ	F 153
2				\updownarrow	110 I	F 154
3				\updownarrow	120 ϕ	F 155
4	1480	90	F 147	1530	120 I	F 156
5	\updownarrow	105	F 148	1580	0	F 157
6		120	F 149	1580	40	F 158
7		135	F 150			
8		150	F 151			
9	1480	165	F 152			
10						
11	η	X/C		η	X/C	
11	.158	.65 L	LV 31	.158	.775 L	LV 36
12	.316	.65 L	LV 32	.316	.775 L	LV 37
13	.600	.65 L	LV 33	.600	.775 L	LV 38
14	.840	.65 L	LV 34	.840	.775 L	LV 39
15	.925	.65 L	LV 35	.925	.775 L	LV 40
16						
17	.158	.65 R	RV 31	.158	.775 R	RV 36
18	.316	.65 R	RV 32	.316	.775 R	RV 37
19	.600	.65 R	RV 33	.600	.775 R	RV 38
20	.840	.65 R	RV 34	.840	.775 R	RV 39
21	.925	.65 R	RV 35	.925	.775 R	RV 40
	FUS. STA.	ϕ		FUS. STA.	ϕ	
22	1480	90	RF 25	1530	110 ϕ	RF 31
23	\updownarrow	105	RF 26	\updownarrow	110 I	RF 32
24		120	RF 27	\updownarrow	120 ϕ	RF 33
25		135	RF 28	1530	120 I	RF 34
26	\downarrow	150	RF 29			
27	1480	165	RF 30			
	η	X/C		η	X/C	
29	.405	.952 T	1W 15T			

NOTE: NO PRESSURES RECORDED ON TUBE NOS. NOT FILLED IN.

Notes:

1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity

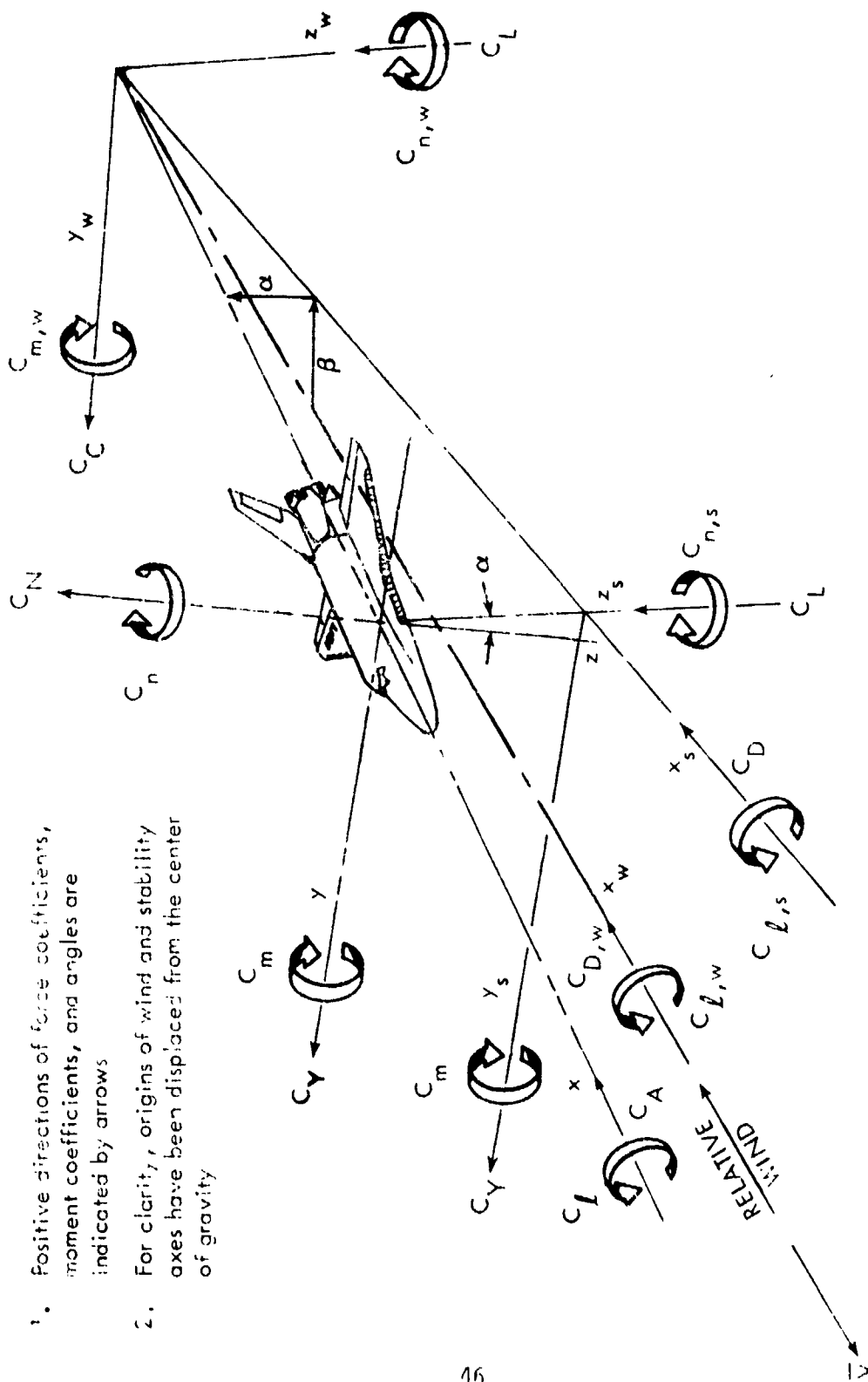
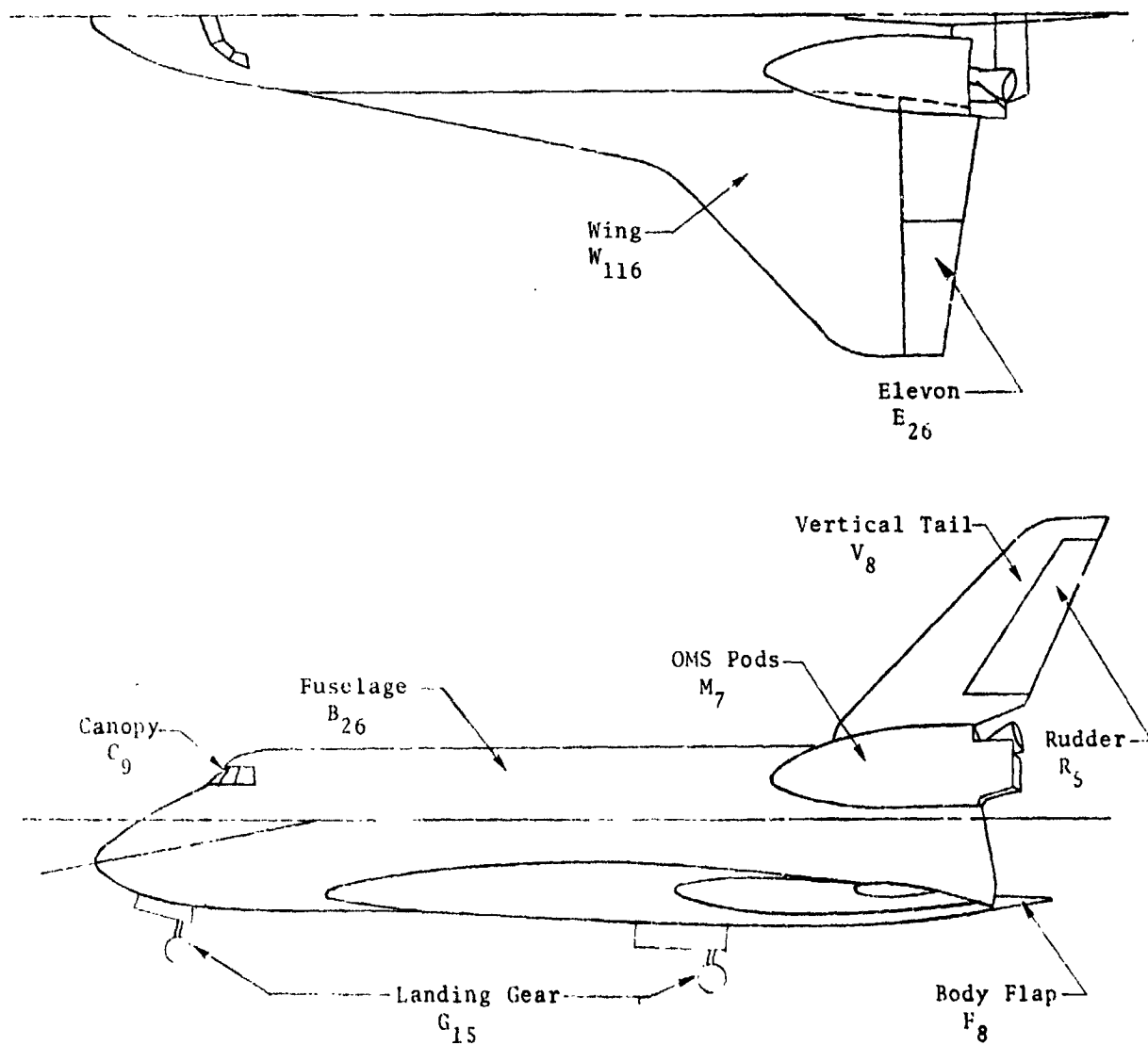
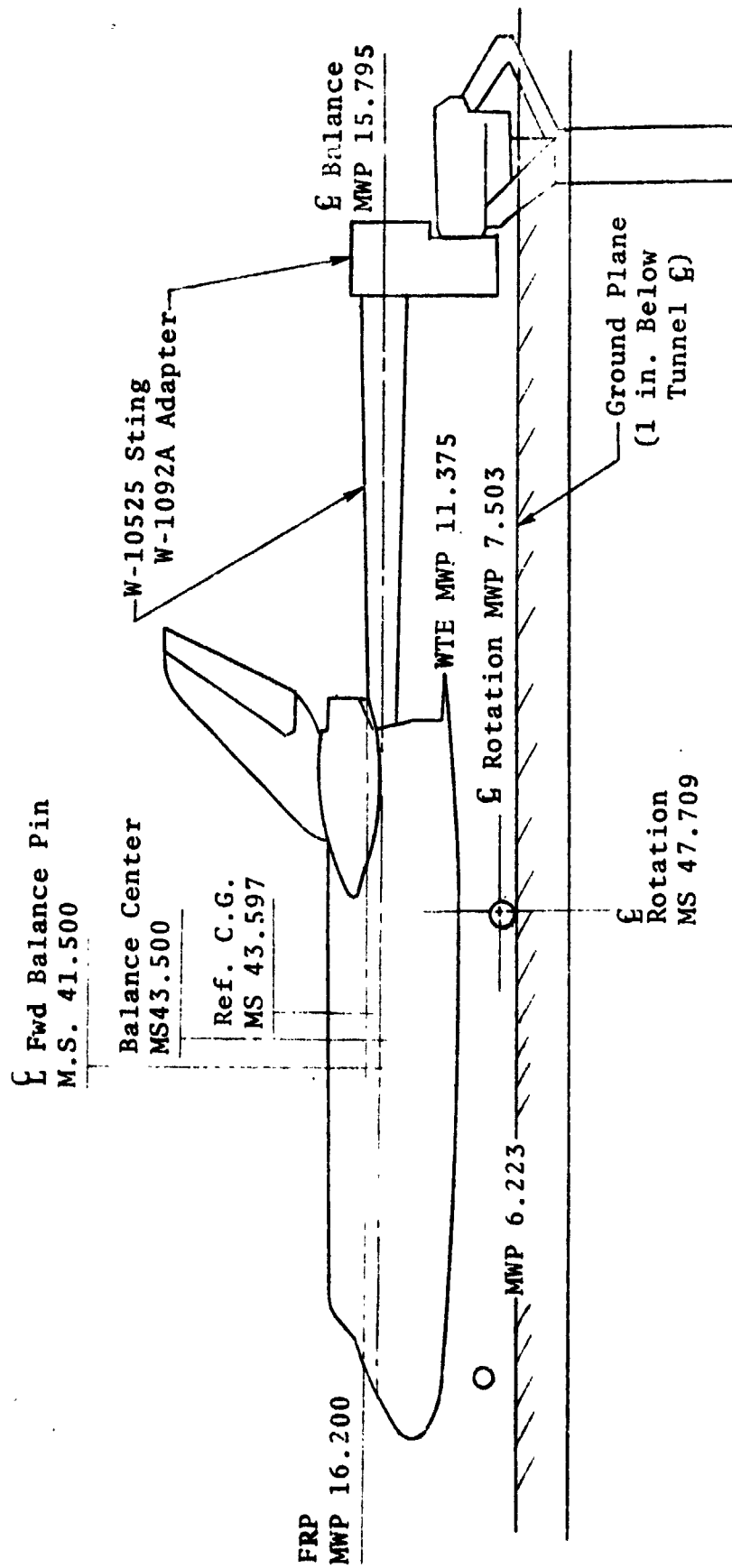


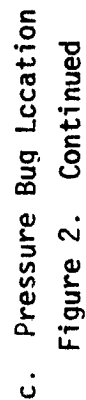
Figure 1. Axis Systems

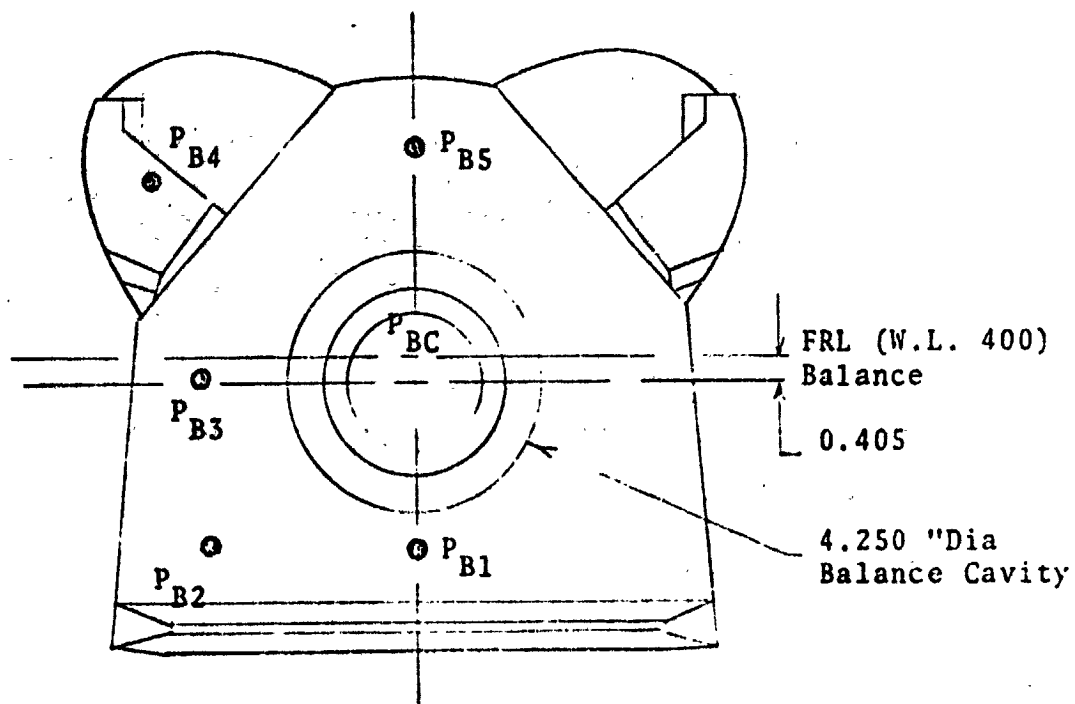


a. Model General Arrangement
Figure 2. Model Sketches

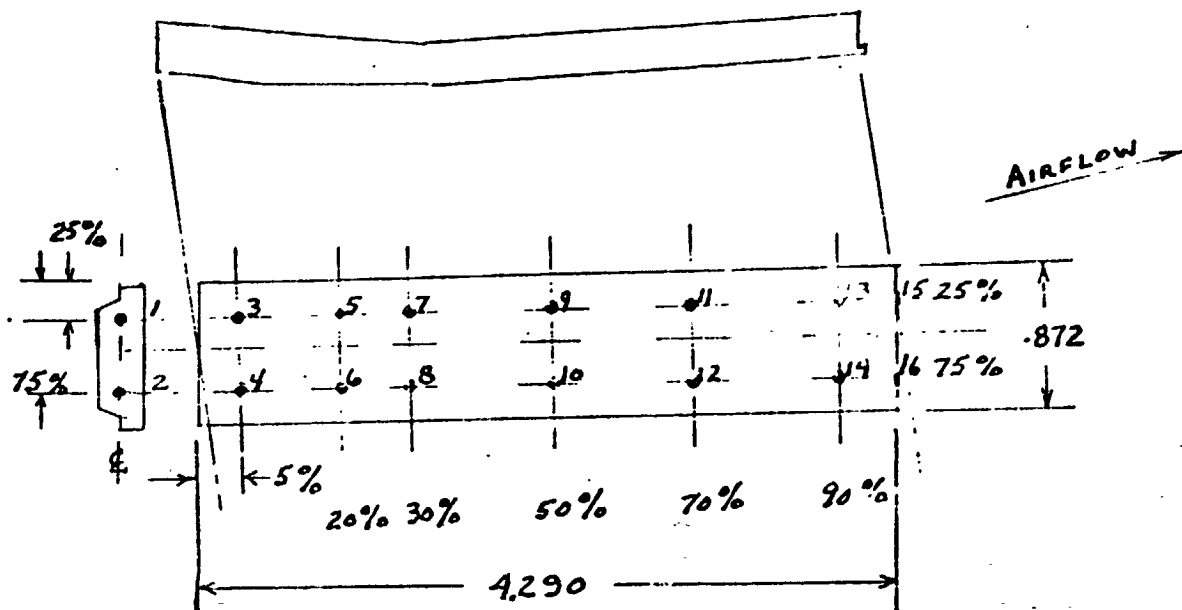


b. Model Installation
Figure 2. Continued

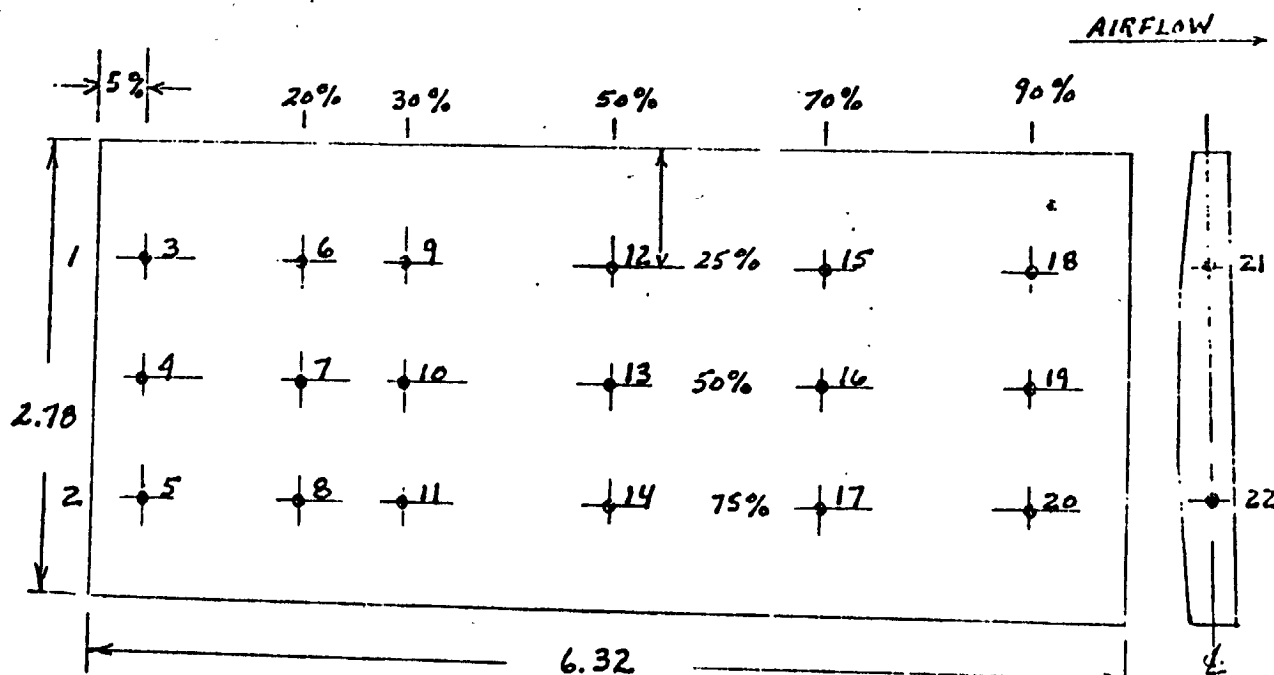




d. Model Base - View Fwd.
Figure 2 Continued



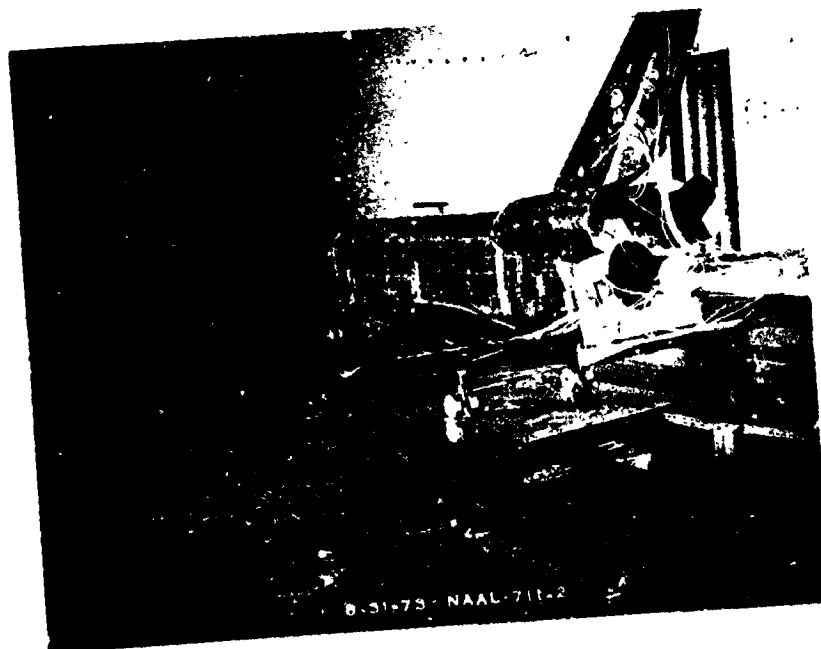
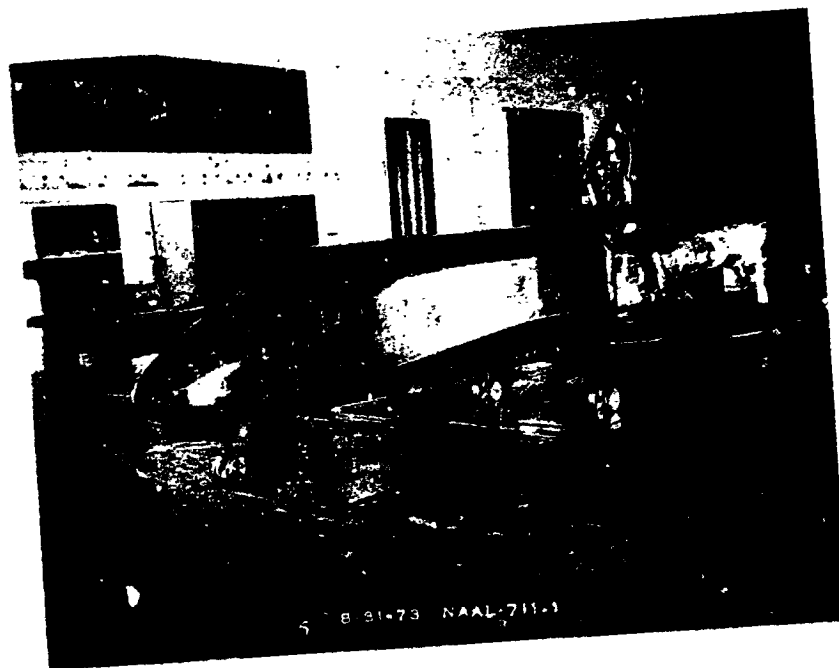
PRESSURE TAP LOCATIONS FOR NOSE LANDING GEAR DOOR
(L.H. shown)



PRESSURE TAP LOCATIONS FOR MAIN LANDING GEAR DOOR
(L.H. shown)

NOTES Taps shown on aft end of door; taps required on front also.
Taps shown on outside; taps required in inner side also.

e. Landing Gear Door Pressure Tap Locations
Figure 2 Concluded



BASIC CONFIGURATION $B_{26}C_{9E_{26}F_{8G_{15}M_{7R_{5V_{8W_{116X_9}}$

Figure 3. Model Installation Photographs

DATA FIGURES

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RDC189)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(RDC202)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(RDC203)	0A69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						YMRP 43.5974 INCHES
						ZMRP .0000 INCHES
						SCALE 16.2000 INCHES
						.0405

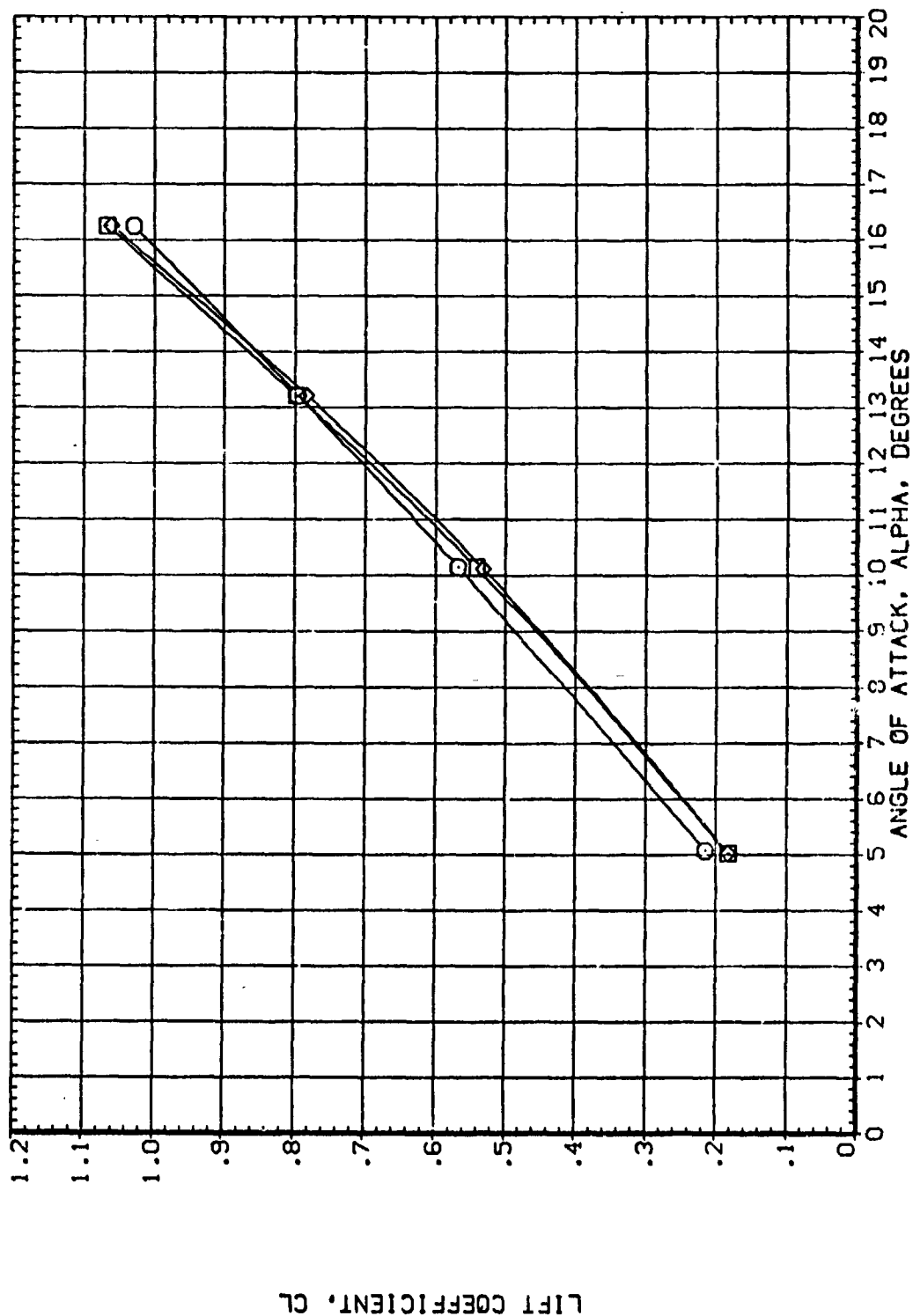


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	0A69 B26C9G15H7F3	-10.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F1	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7FE	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

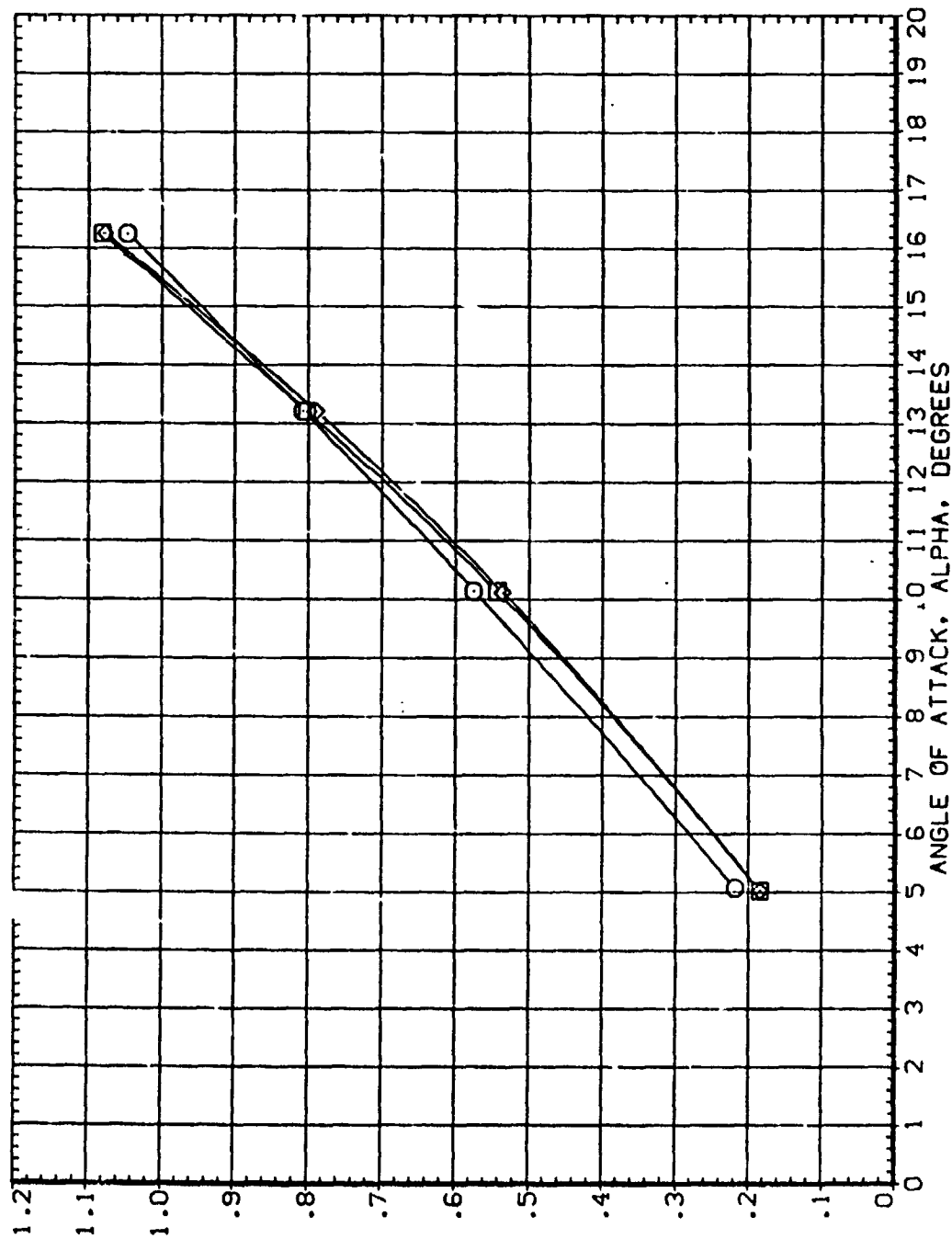


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16 PAGE 2

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	DELTA	ELEVON	RUDDER	REFERENCE INFORMATION
(R00193)	0A69 B26C9 M7F8 W116E26V8RSX9	-10.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8RSX9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8RSX9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0465

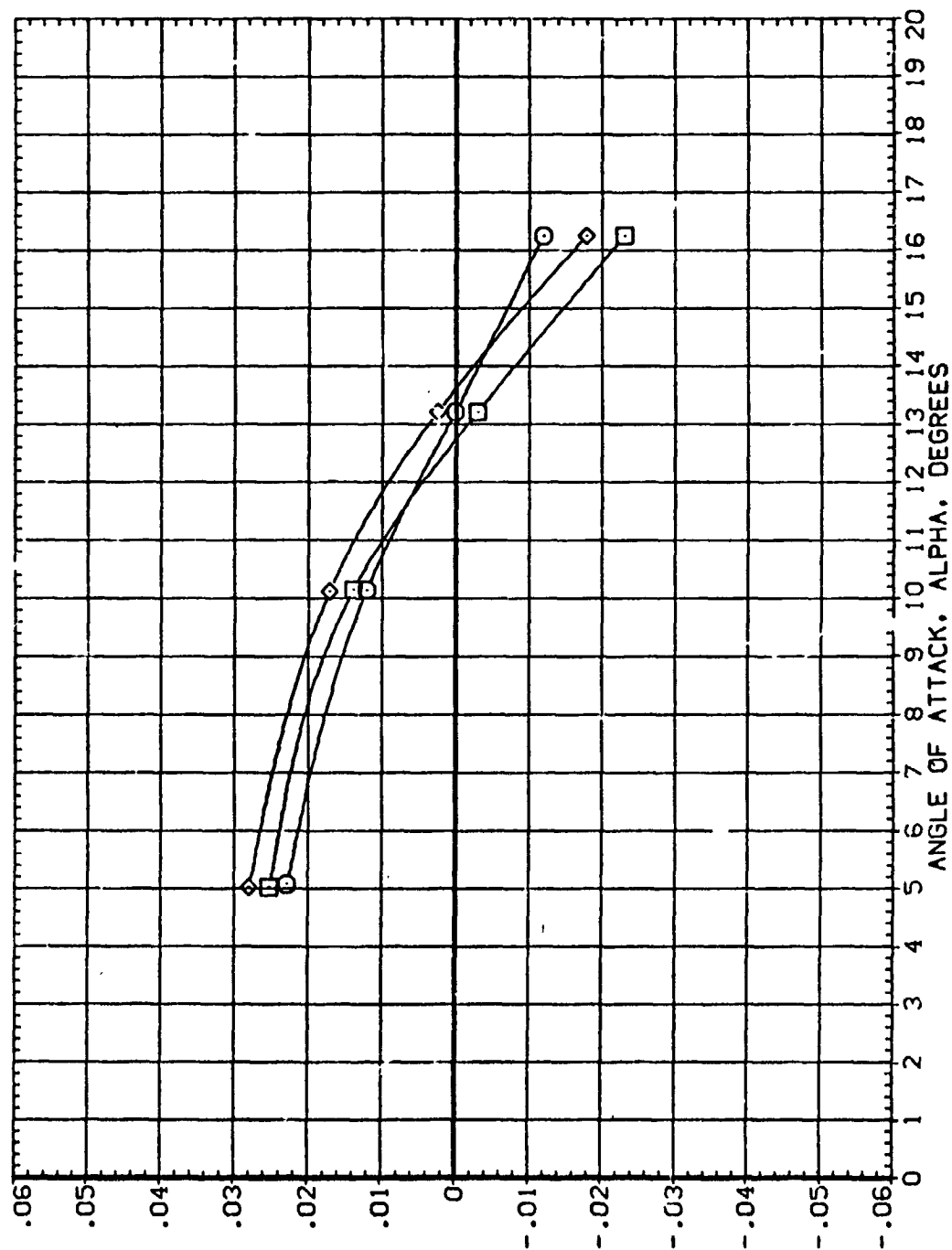


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

PAGE 3

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	0A69 B26C9G1M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						YMRP 43.5874 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

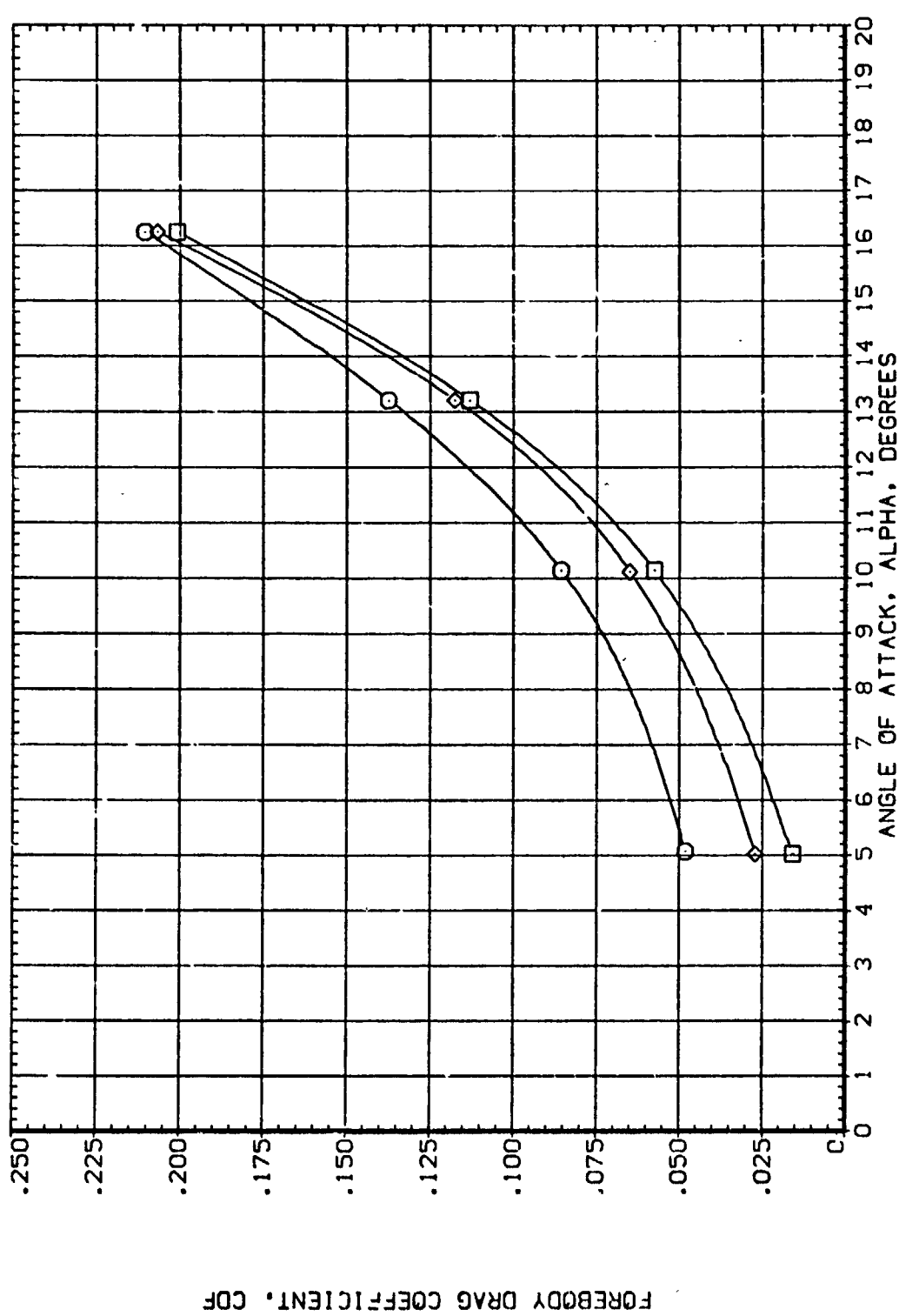


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
 (A)MACH = .16 PAGE 4

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	0A69 B26C951SH7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00202)	0A69 B26C9 M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W115E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

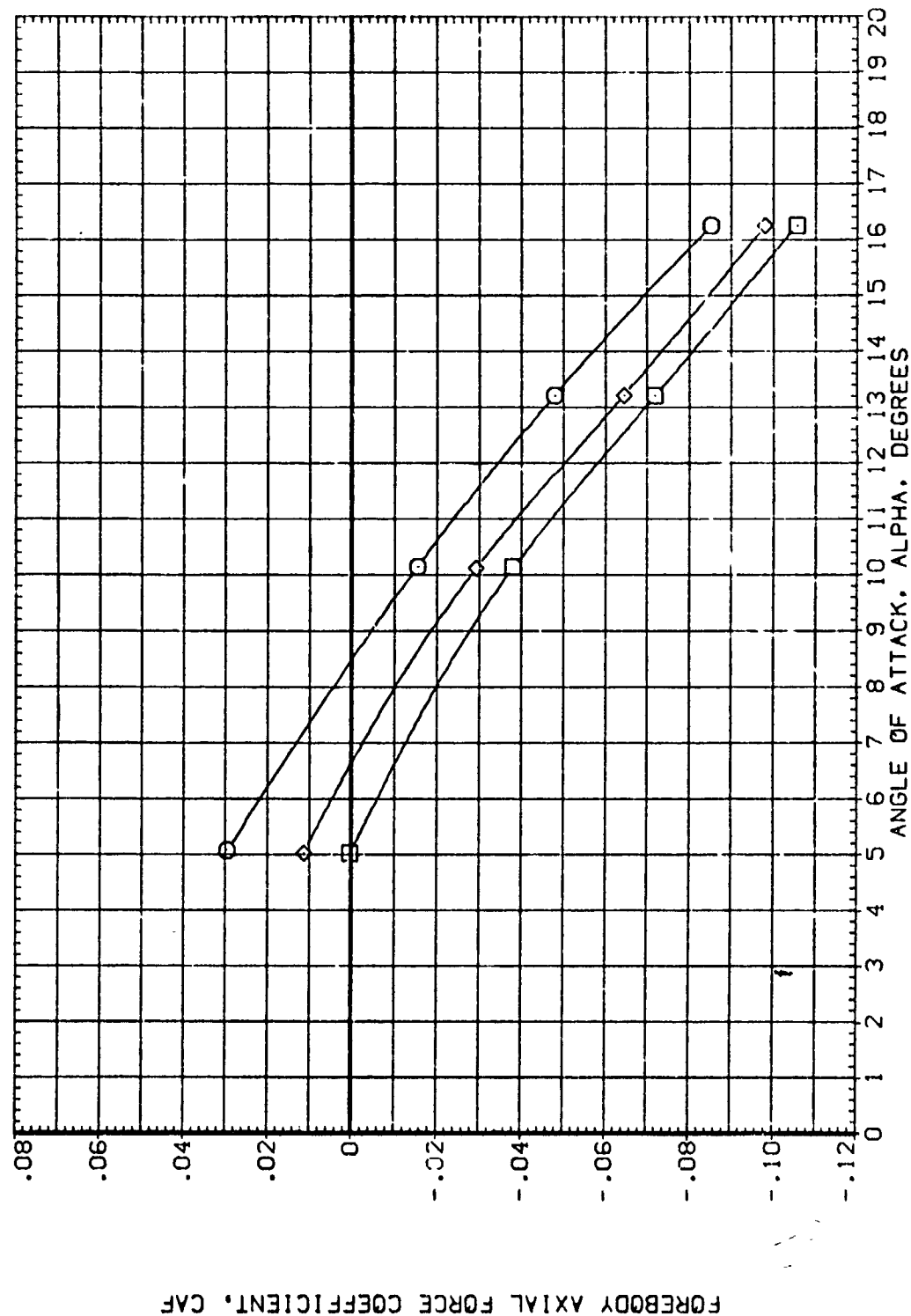


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QA69 B26C9G1M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 INCHES
(P00202)	QA69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QA69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XTRP 43.5374 INCHES
						THRP .0000 INCHES
						ZTRP 16.2000 INCHES
						SCALE .0405 INCHES

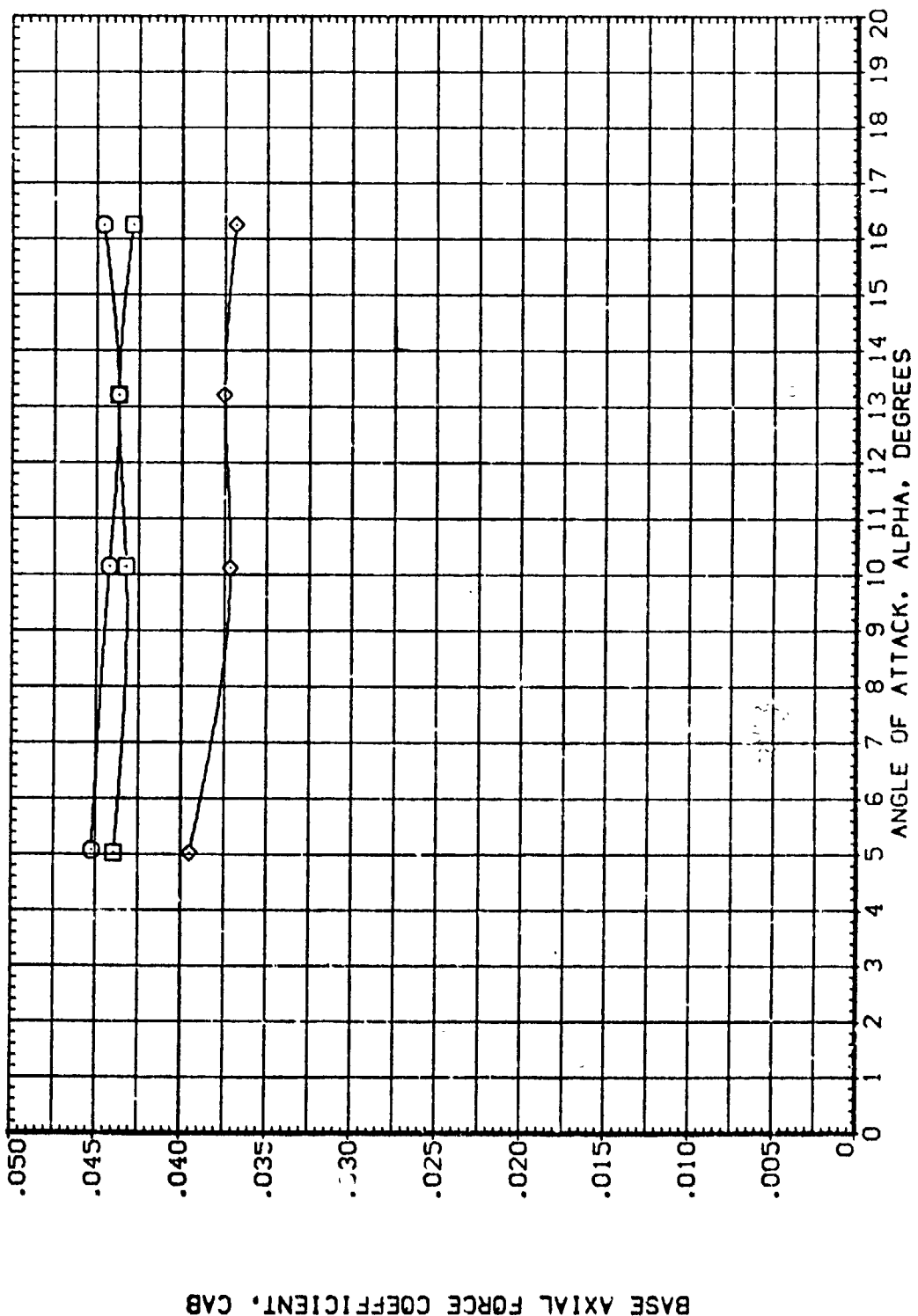


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QAS9 B26C915M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	QAS9 B26C9 M7F8 W115E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QAS9 B26C9 M7F8 W115E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5971 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405 INCHES

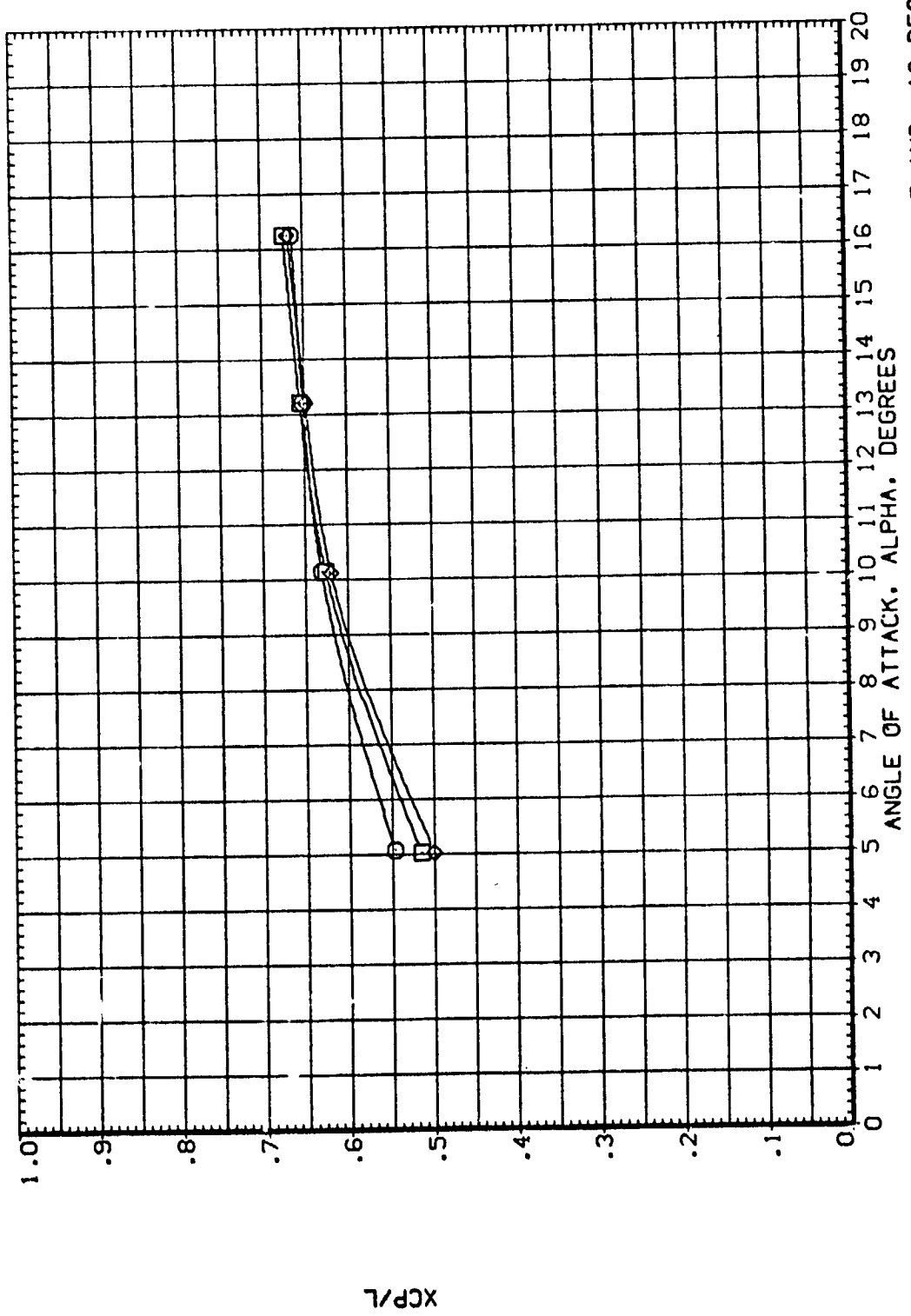


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
 (A)MACH = .16
 PAGE 7

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R03199)	0A59 B26C9G15W7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R03202)	0A59 B26C9 H7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R03203)	0A59 B26C9 H7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

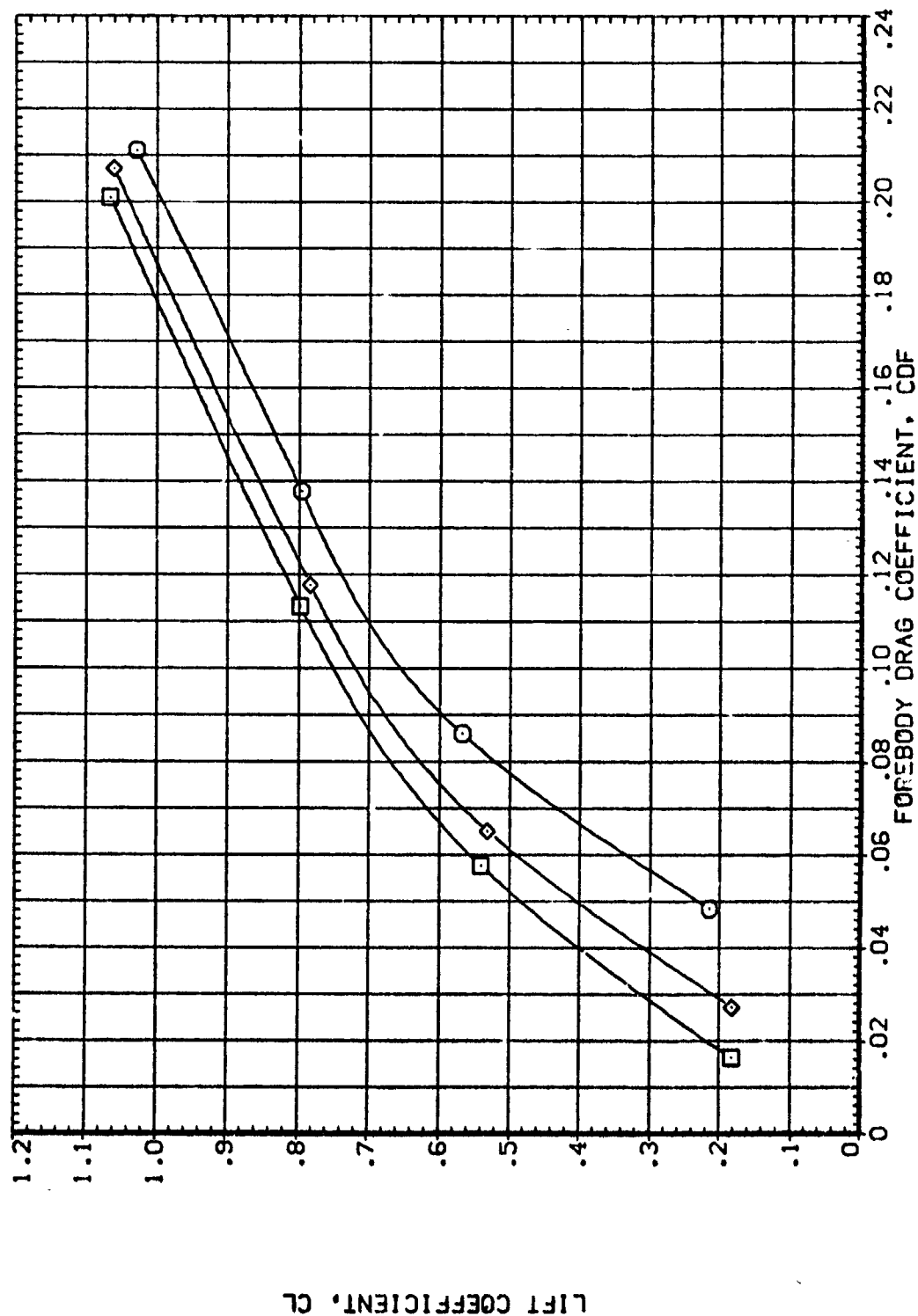


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	QAS9 B26C9G15W7F8 W116E26V8R5A9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	QAS9 B26C9 W7F8 W116E26V8R5A9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	QAS9 B26C9 W7F8 W116E26V8R5A9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

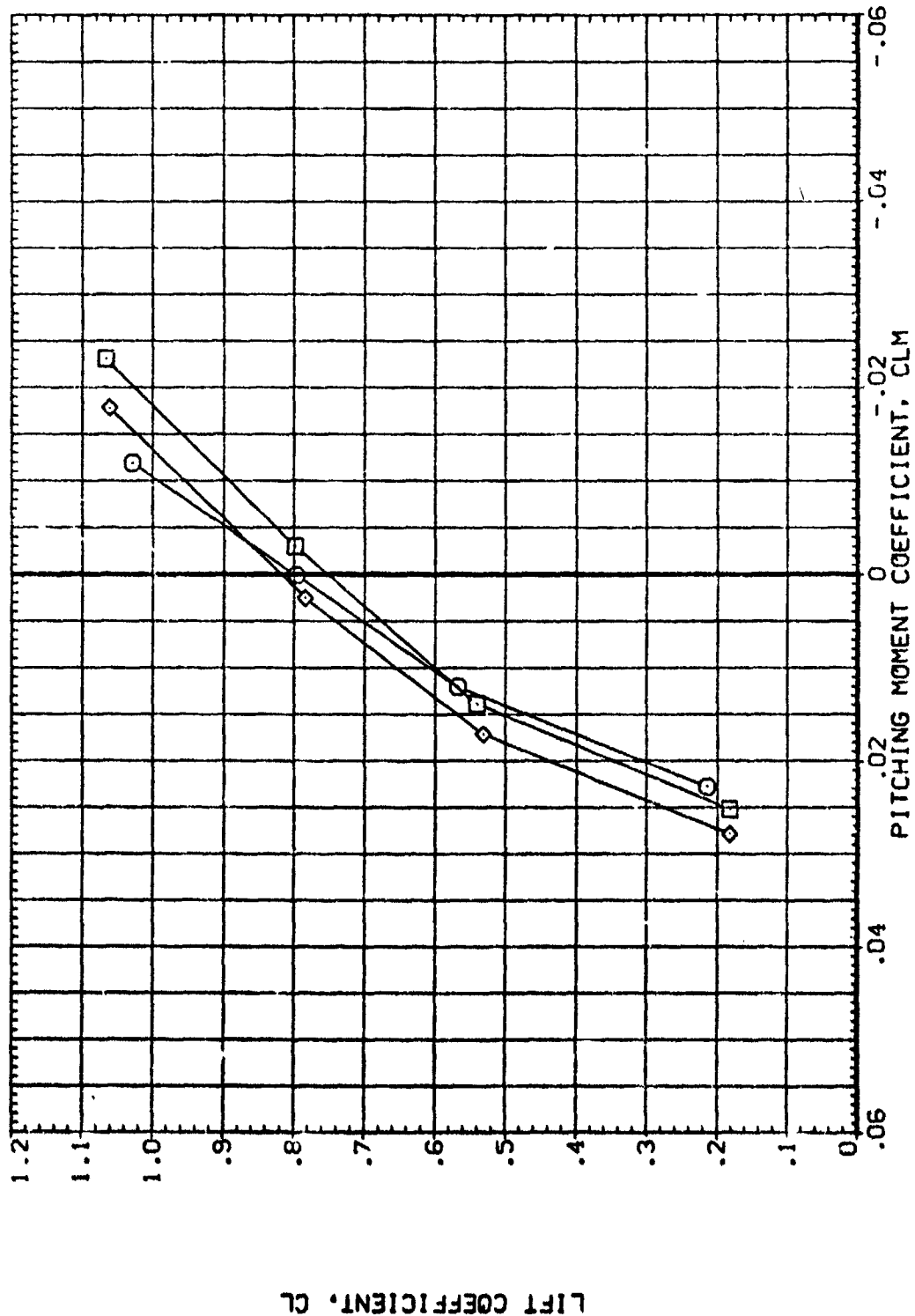


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.
(A)MACH = .16 PAGE 9

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DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BDFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(800199)	QAS9	B26C9	G15M7F8	W116E26V8W5X9	-10.000	-14.250	.000	.000	.000	SREF	4.4119	SQ.FT.	
(800202)	QAS9	B26C9	M7F8	W116E26V8W5X9	-10.000	-14.250	.000	.000	.000	LREF	52.2570	INCHES	
(800203)	QAS9	B26C9	M7F8	W116E26V8W5X9	-5.000	-14.250	.000	.000	.000	BREF	52.2570	INCHES	
										YMRP	43.5974	INCHES	
										ZMRP	16.2000	INCHES	
										SCALE	.0405	INCHES	

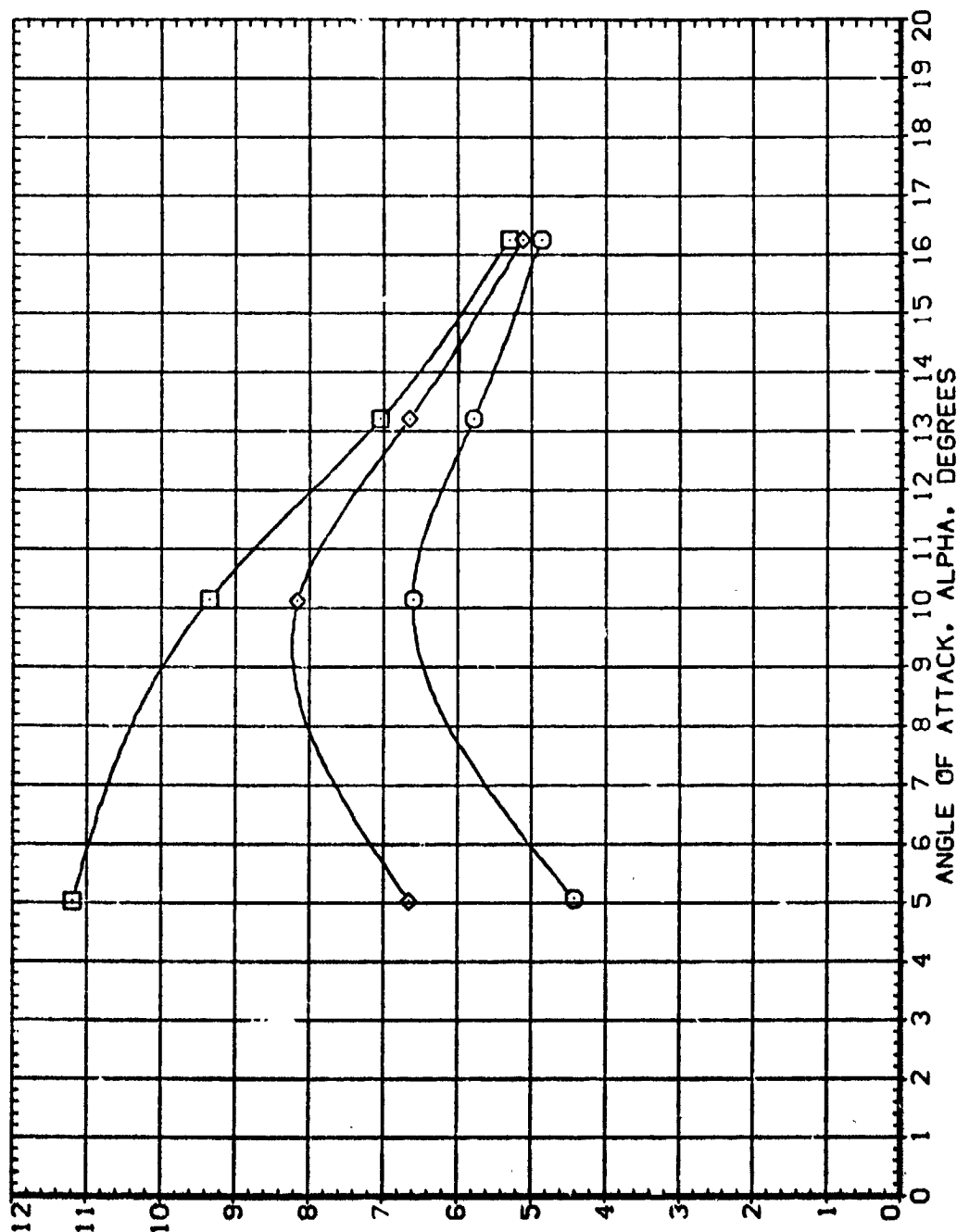


FIG. 4 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = -5 AND -10 DEG.

(A)MACH = .16

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DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION	
(R00200)	0453 826C961547F8 W1162E6V8R5X9	.000	-14.250	.000	.000	SREF	4.4119 SO.FT.
(R00204)	0453 826C9 47F8 W1162E6V8R5X9	.000	-14.250	.000	.000	LREF	52.2570 INCHES
						BREF	52.2570 INCHES
						XMRP	43.5974 INCHES
						YMRP	.0000 INCHES
						ZMRP	16.2000 INCHES
						SCALE	.0405

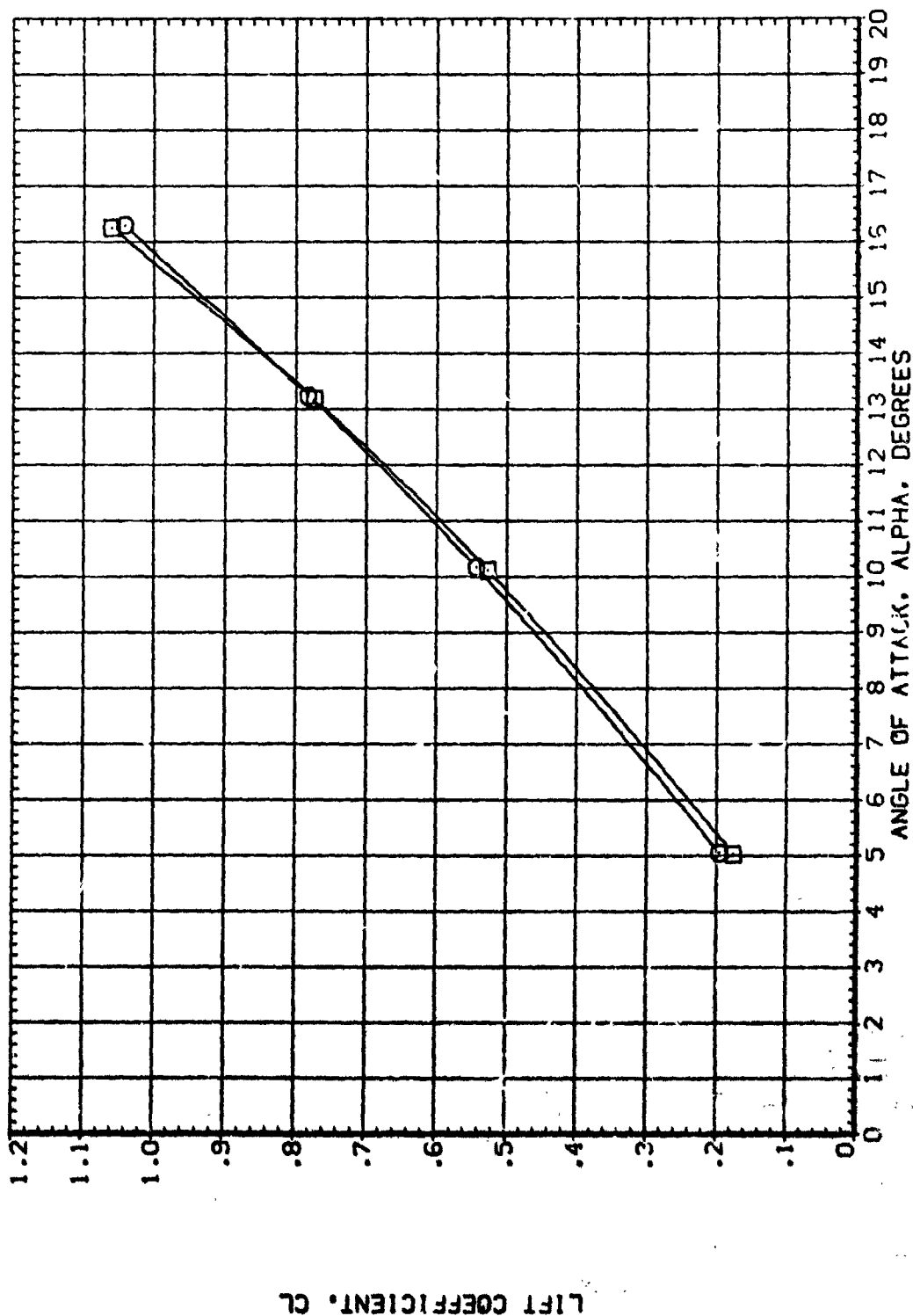



FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF -- BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL (R00270) (R1-22J4)  CONFIGURATION DESCRIPTION 0A69 B26C9 M7F8 W116E26V8RSX9 0A69 B26C9 M7F8 W116E26V8RSX9

REFERENCE INFORMATION	
SREF	4.4119 SQ.FT.
LREF	52.2570 INCHES
BREF	52.2570 INCHES
XMRP	43.5974 INCHES
YMRP	.0000 INCHES
ZMRP	16.2000 INCHES
SCALE	.0405 SCALE

BETA .000 ELEVON .000 RUDDER .000

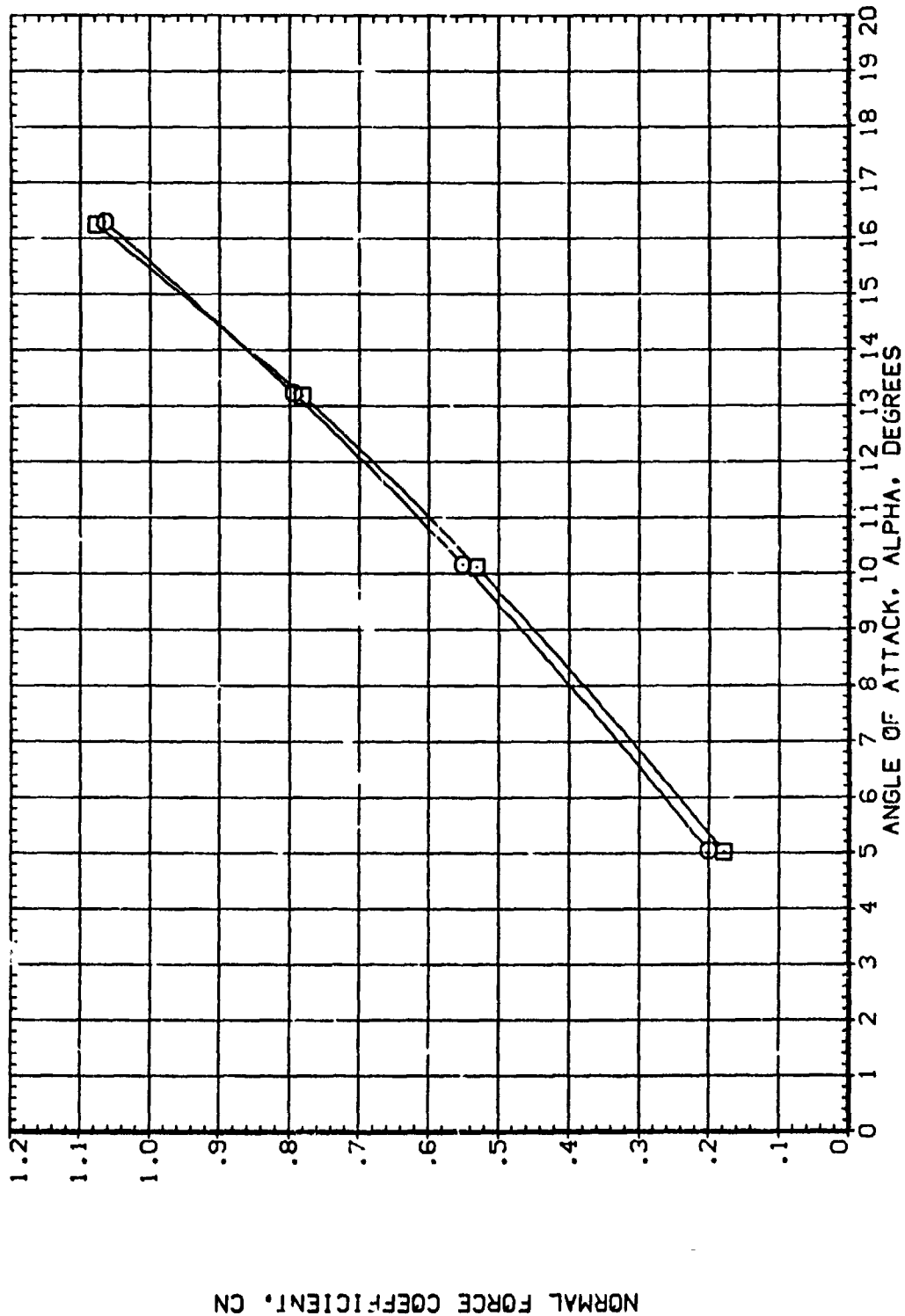


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00200) □ 0A69 926C91SM7F8 W118E26V8R5X9
 (R00204) 0A69 926C9 M7F8 W118E26V8R5X9

BETA BDFLAP ELEVON RUDDER REFERENCE INFORMATION
 .000 -14.250 .000 .000 SREF 4.4119 SO.FT.
 .000 -14.250 .000 .000 LREF 52.2570 INCHES
 .000 .000 .000 .000 BREF 52.2570 INCHES
 .000 .000 .000 .000 XMRP 43.5974 INCHES
 .000 .000 .000 .000 YMRP .0000 INCHES
 .000 .000 .000 .000 ZMRP 16.2000 INCHES
 .000 .000 .000 .000 SCALE .0405 SCALE

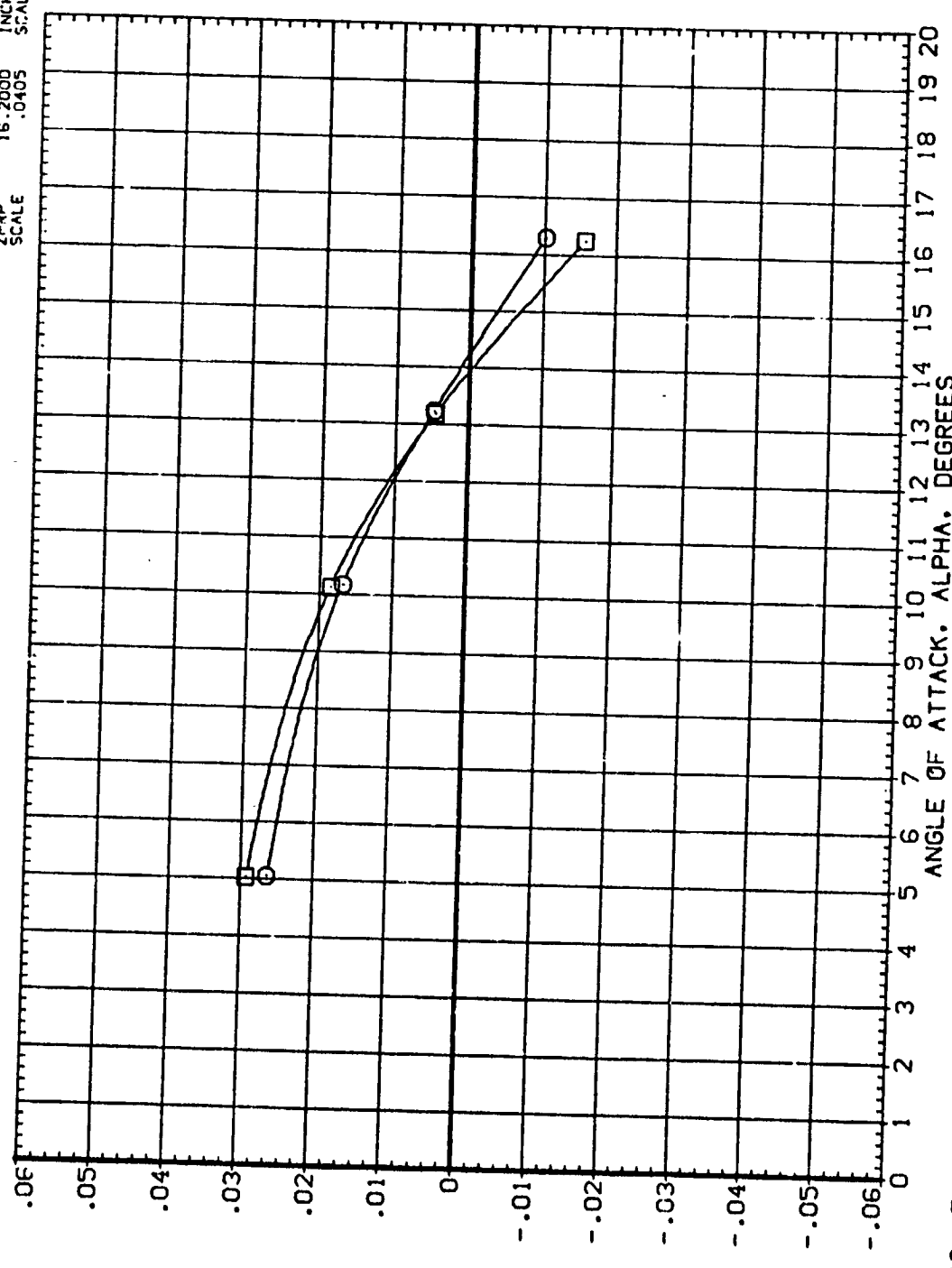


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BDFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00200)	QAG9	B26C9G15H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00204)	QAG9	B26C9	H7F8	.000	-14.250	.000	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	43.5974	INCHES	
										XMRP	.0000	INCHES	
										YMRP	16.2000	INCHES	
										ZMRP	.3405	SCALE	

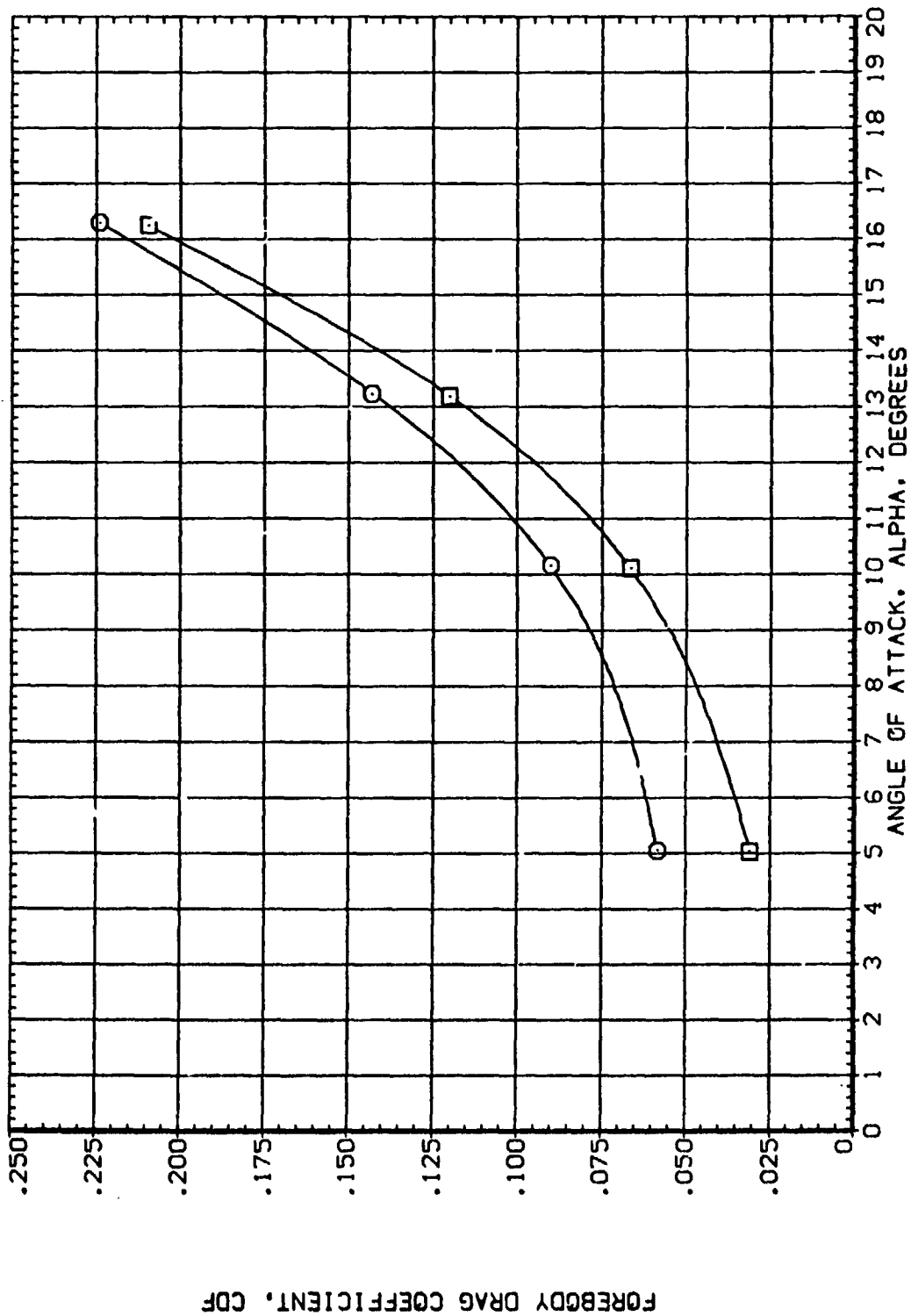


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RD0200)	0A55 B26C9G15M7F8 W115E26V8P5X9	.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(RD0204)	0A65 B26C9 H7F8 W115E26V8P5X9	.000	-14.250	.000	.000	LREF 5.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

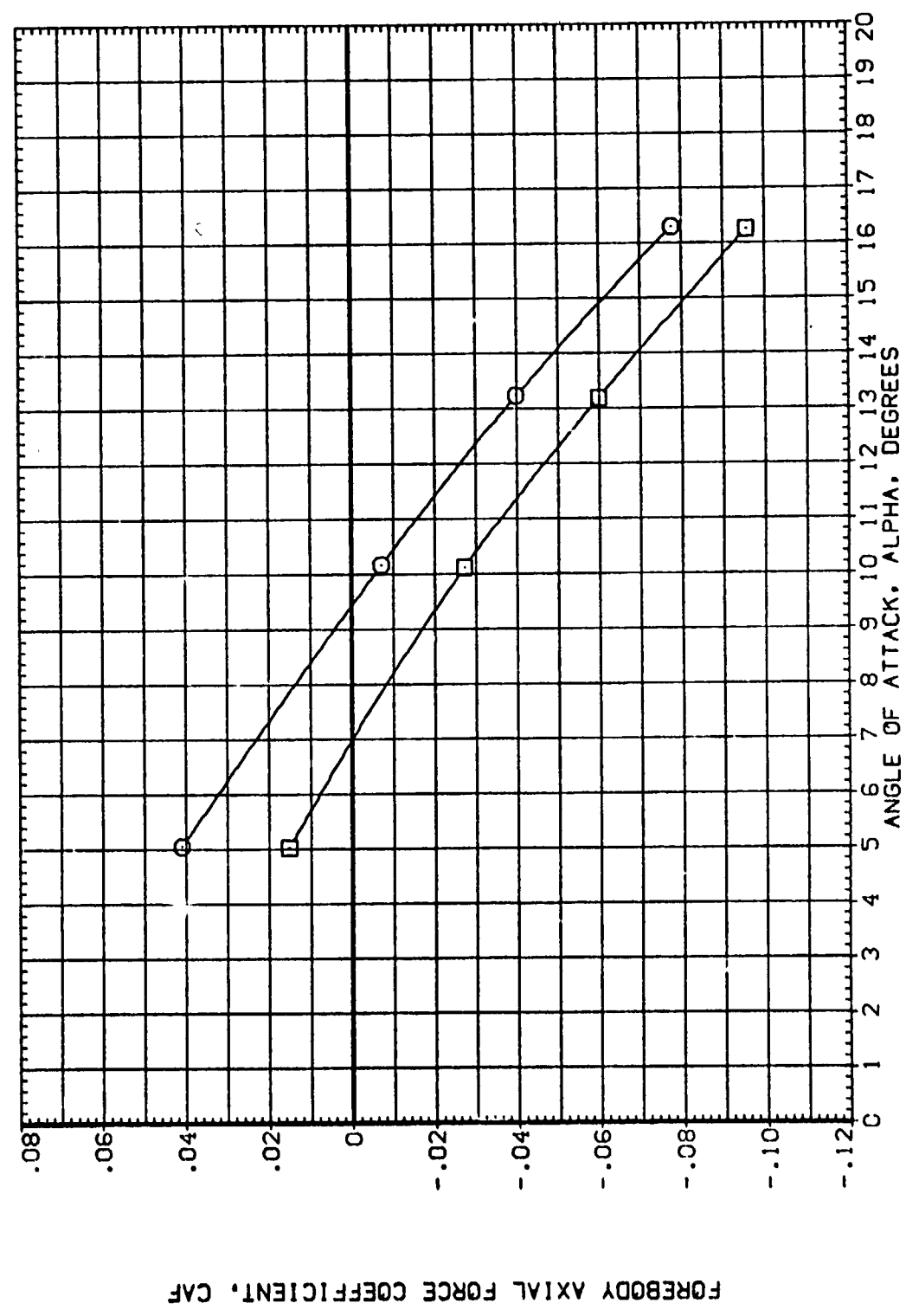


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(RC0200)	(R09204)	0A69	B26C9	H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119
		0A69	B26C9	H7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	.000	LREF	52.2570
												BREF	52.2570
												XMRP	43.5974
												YMRP	.0000
												ZMRP	16.2000
												SCALE	.0405

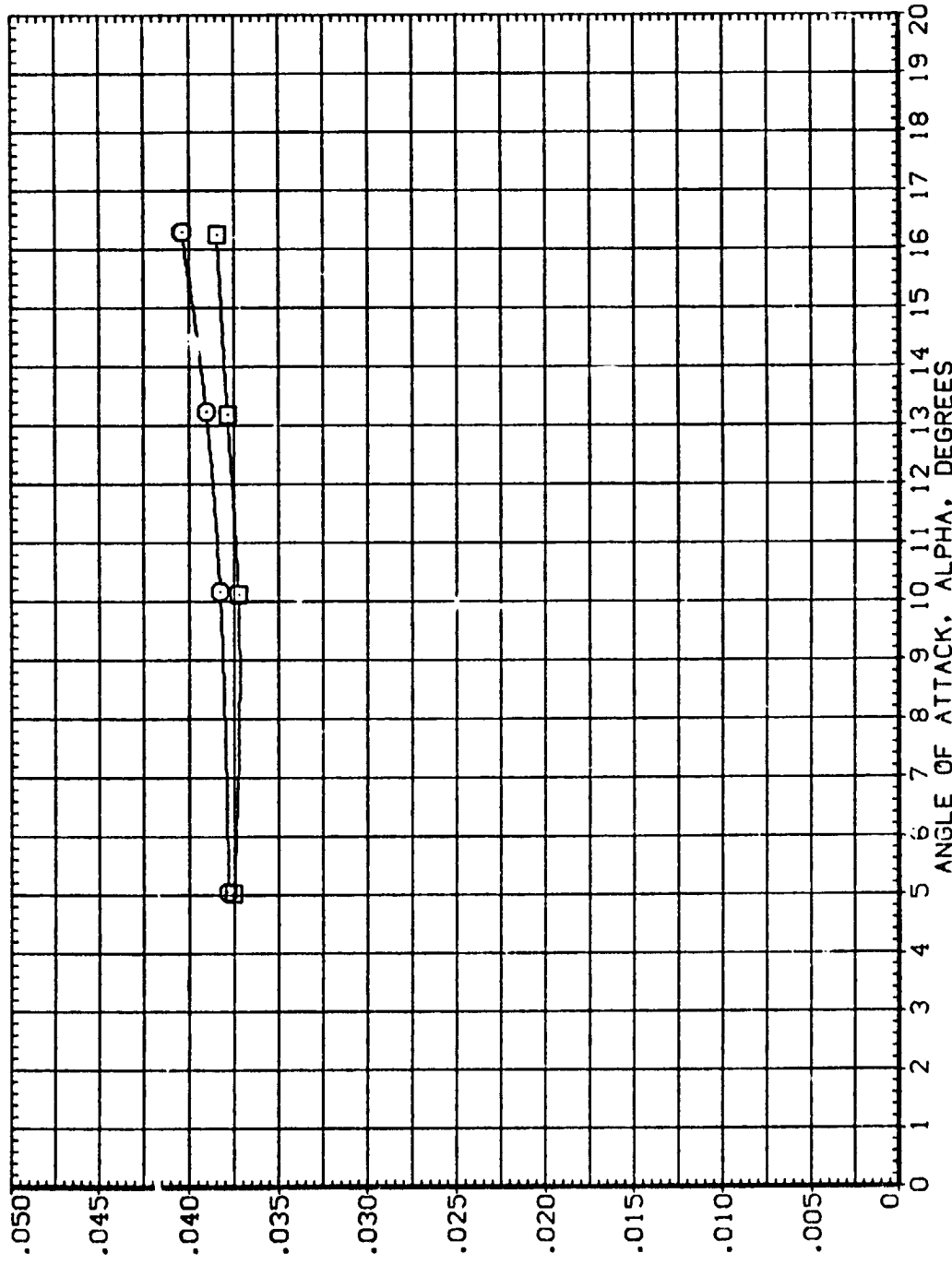


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16 PAGE 16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BD FLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00200)	QAG9 B26C9G1SH7F8 W116E26V8RSXS	.000	-14.250	.000	.000	SREF 4.4119 SO.FT.
(R00204)	QAG9 B26C9 H7F8 W116E26V8RSXS	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

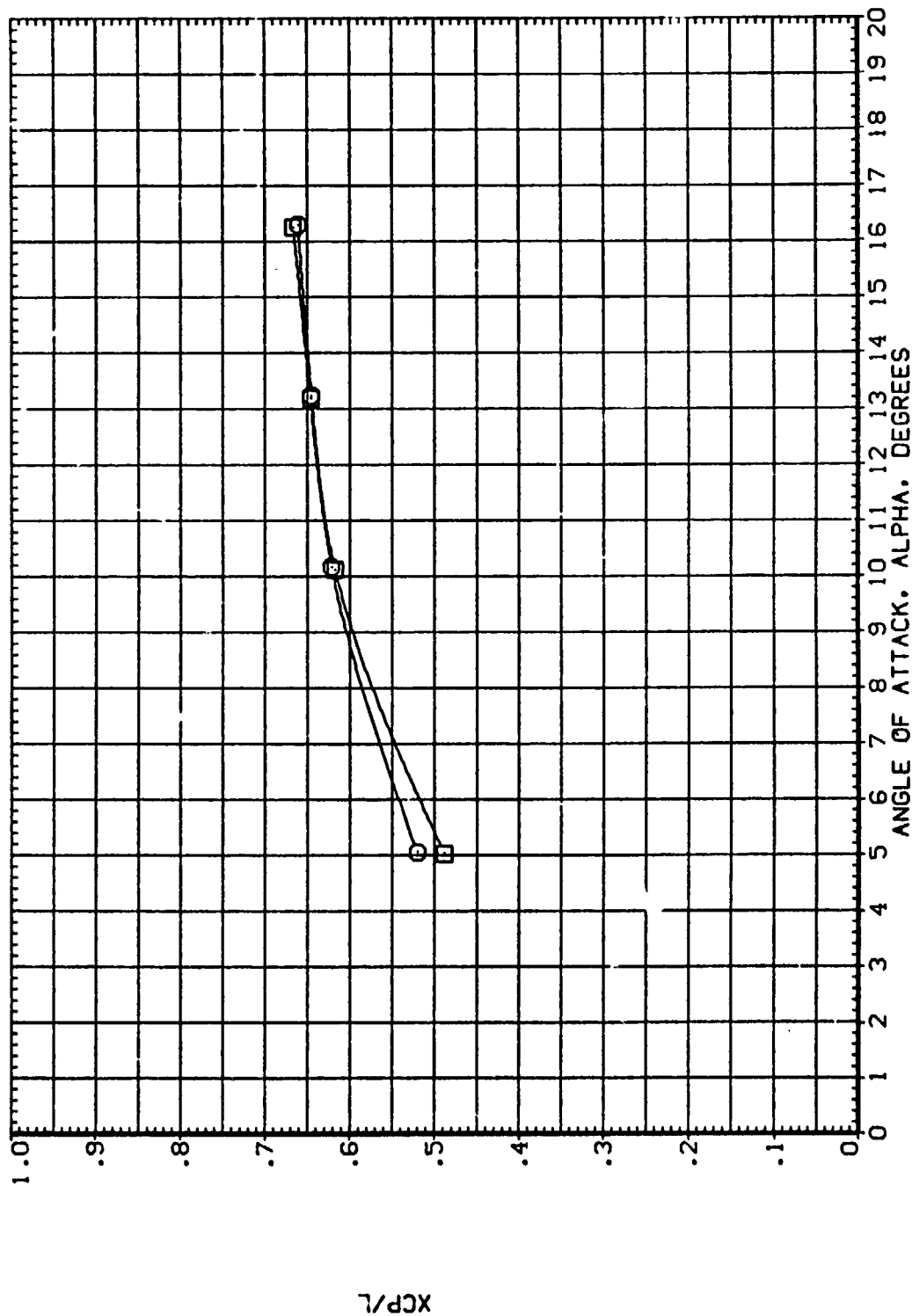


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00200)	QAGS B26CSG1SH7F8 W116E26V8RSX9	.000	-14.250	.000	.000	SREF 4.4119 SO.FT. INCHES
(R00204)	QAGS B26CS H7F8 W116E26V8RSX9	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

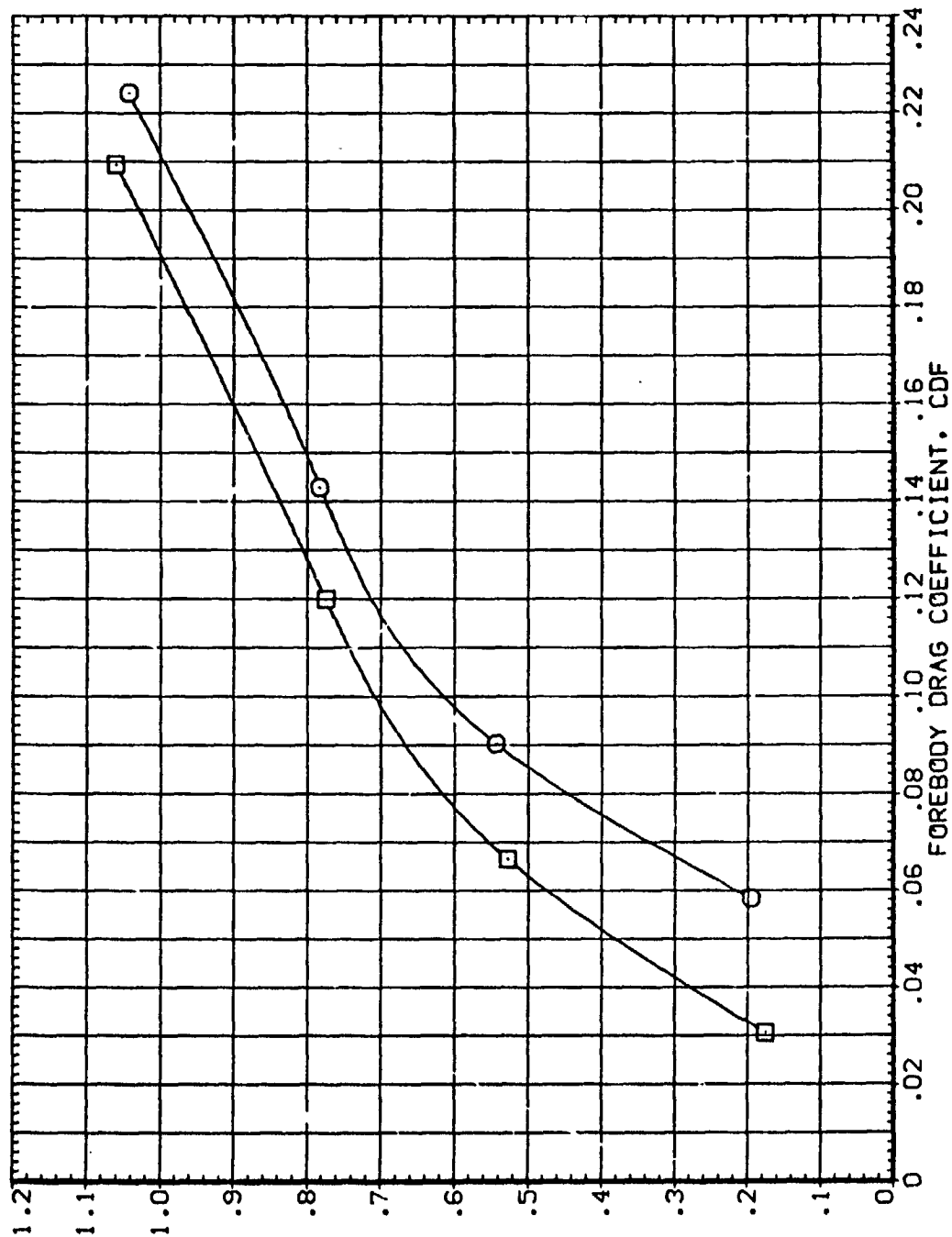


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

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DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BD FLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00200)	QAS9	B26C9G15M7F8	W116E26V85X9	.000	-14.250	.000	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00204)	QAS9	B26C9	M7F8	.000	-14.250	.000	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										YMRP	43.5974	INCHES	
										ZMRP	.0000	INCHES	
										SCALE	16.2000	INCHES	
											.0405	SCALE	

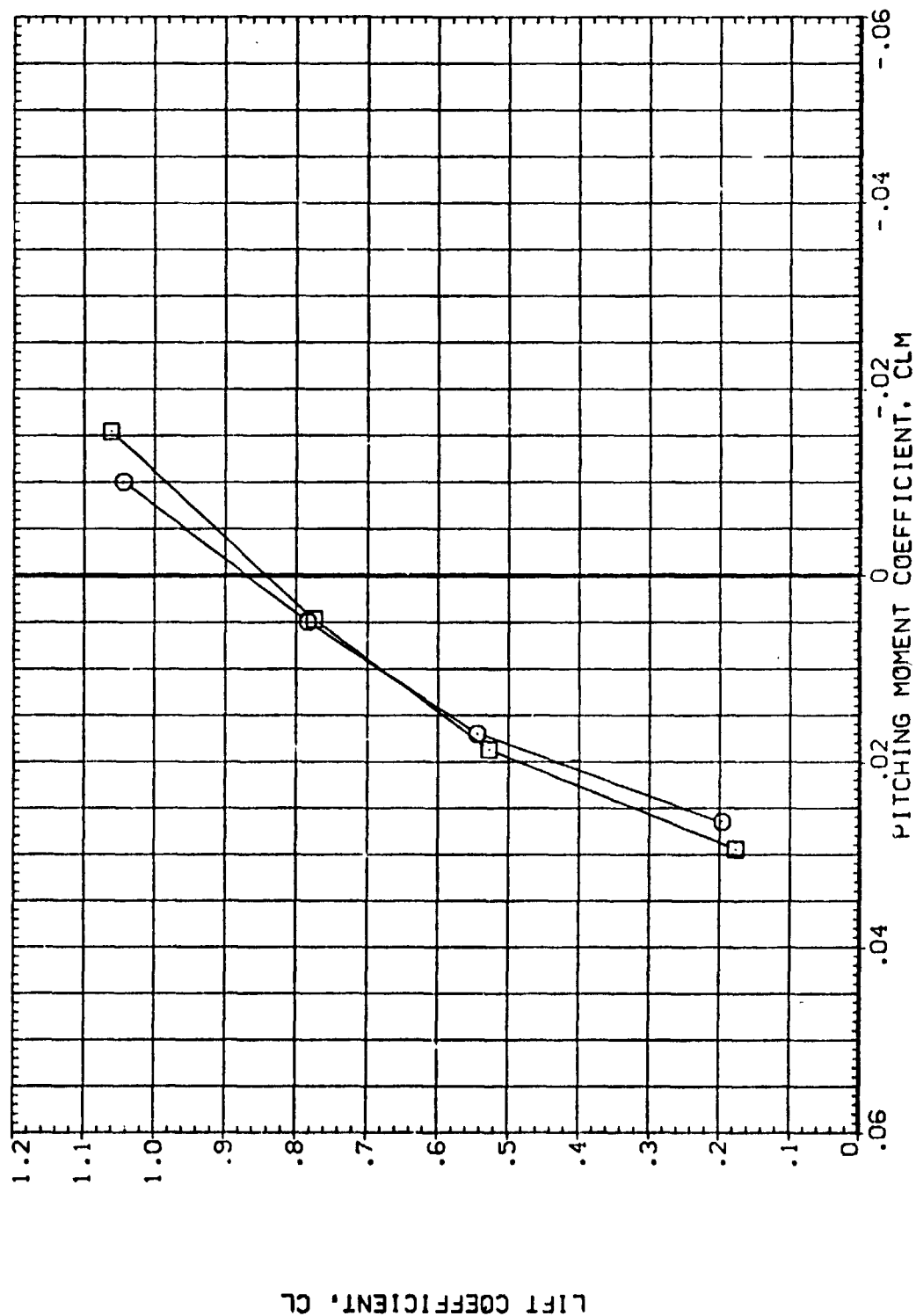


FIG. 5 LONGITUDINAL CHARACTERISTICS. GEAR ON AND OFF - BETA = 0 DEG.

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		80FLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(800200)	□	0A69	B26C9G15M7F8	W116E26V8R5X9	.000	-14.250	.000	.000	.000	SREF	4.4119	SQ.FT.	
(800204)	□	0A69	B26C9	M7F8	W116E26V8R5X9	.000	-14.250	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										XMRP	43.5974	INCHES	
										YMRP	16.2000	INCHES	
										ZMRP	16.2000	INCHES	
										SCALE	.0405	SCALE	

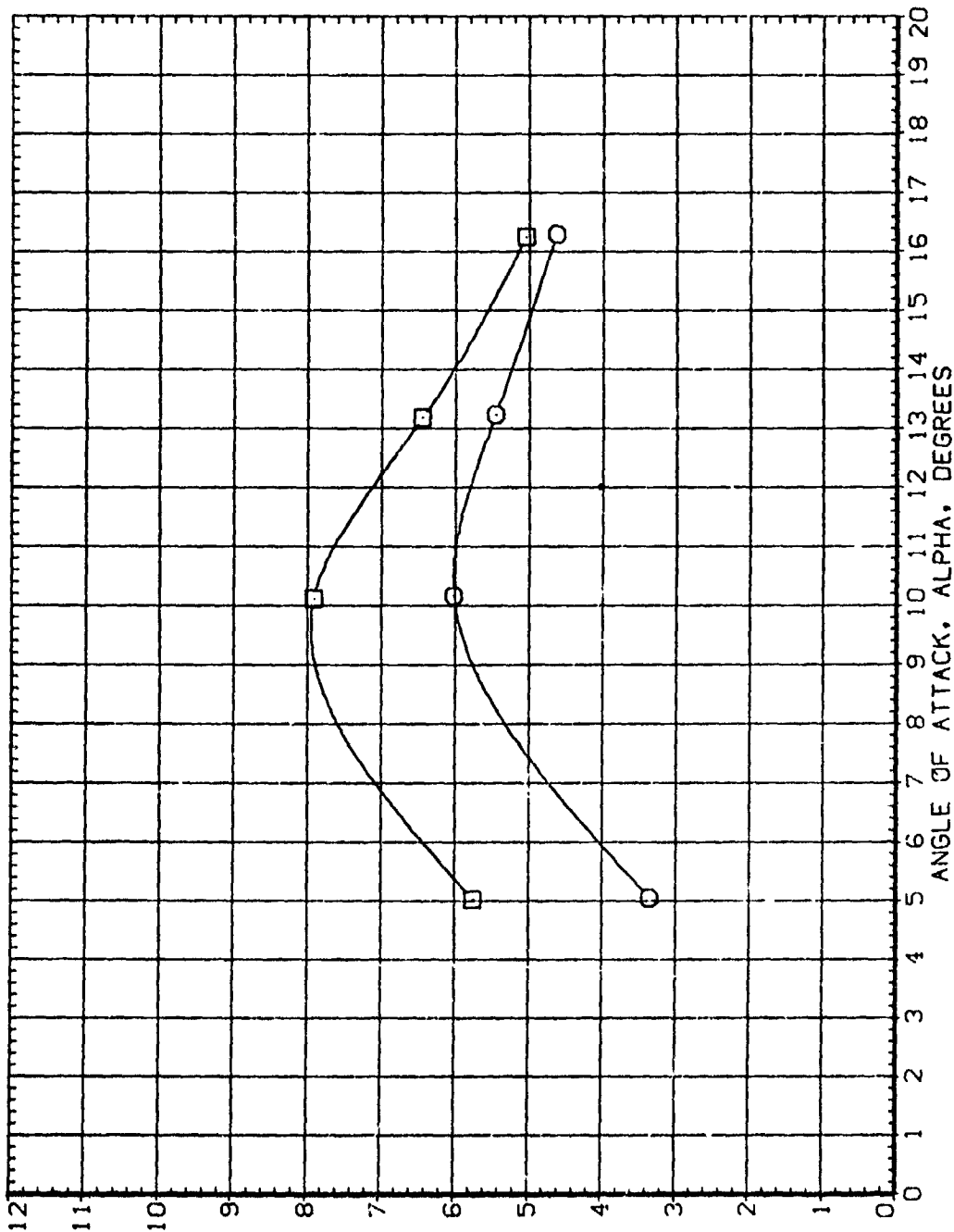


FIG. 5 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		REFERENCE INFORMATION	
(R00201)	□	0A59	B26C9G15M7F8	W116E26V8R5X9	SO.FT.
(R00205)	□	0A59	B26C9	M7F8	INCHES
				SREF	4.4119
				LREF	52.2570
				BREF	52.2570
				WASP	43.5874
				THRP	16.0000
				ZMRP	16.2000
				SCALE	.0405

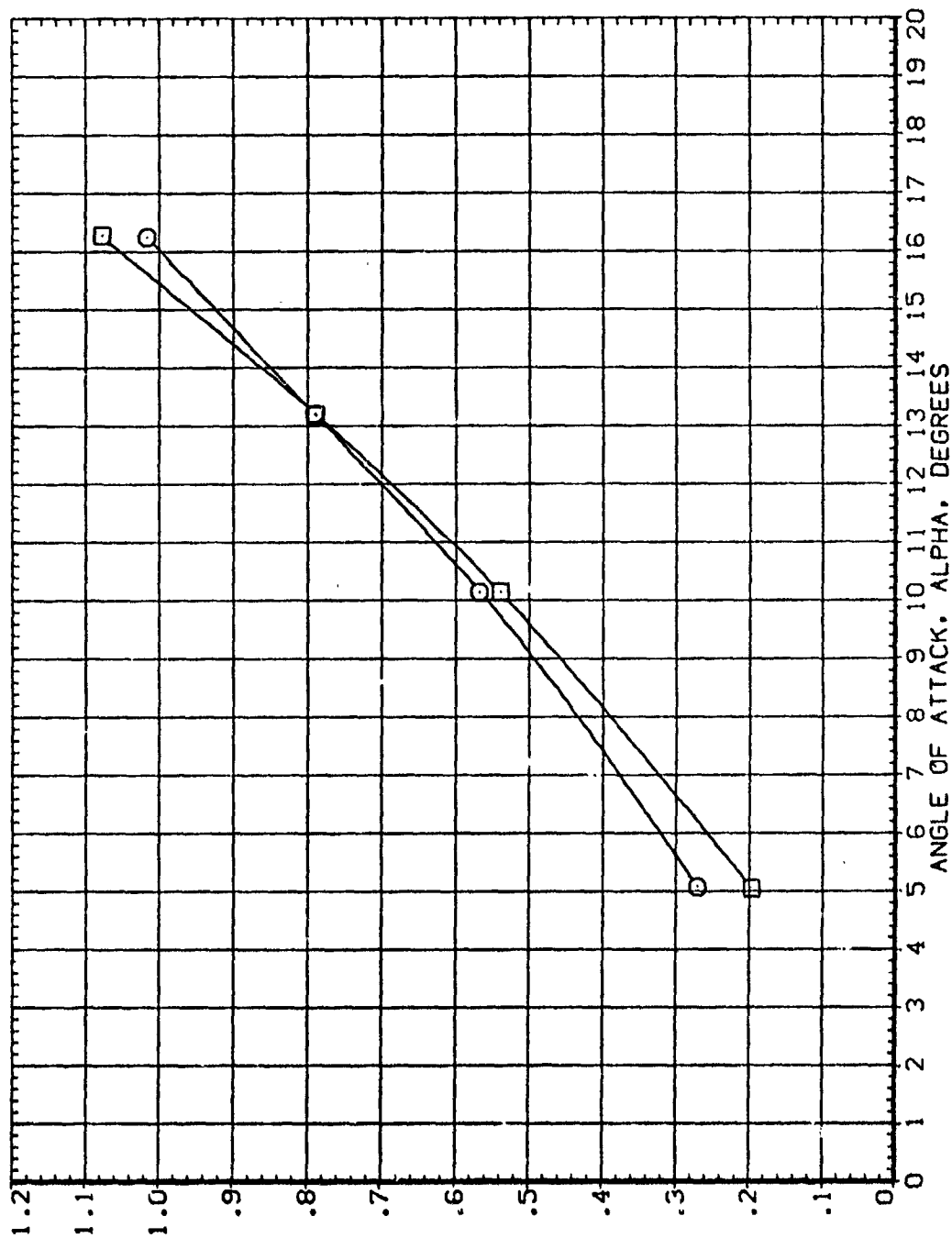


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00201)	Q	OAS9	B26C9G15H7F8	W116E2F8R5X9	10.000	-14.250	.000	.000	.000	SREF	4.4119	SO.FT.	
(R00205)		OAS9	B26C9	H7F8	10.000	-14.250	.000	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										YMRP	43.5974	INCHES	
										ZMRP	16.2000	INCHES	
										SCALE	.0405	SCALE	

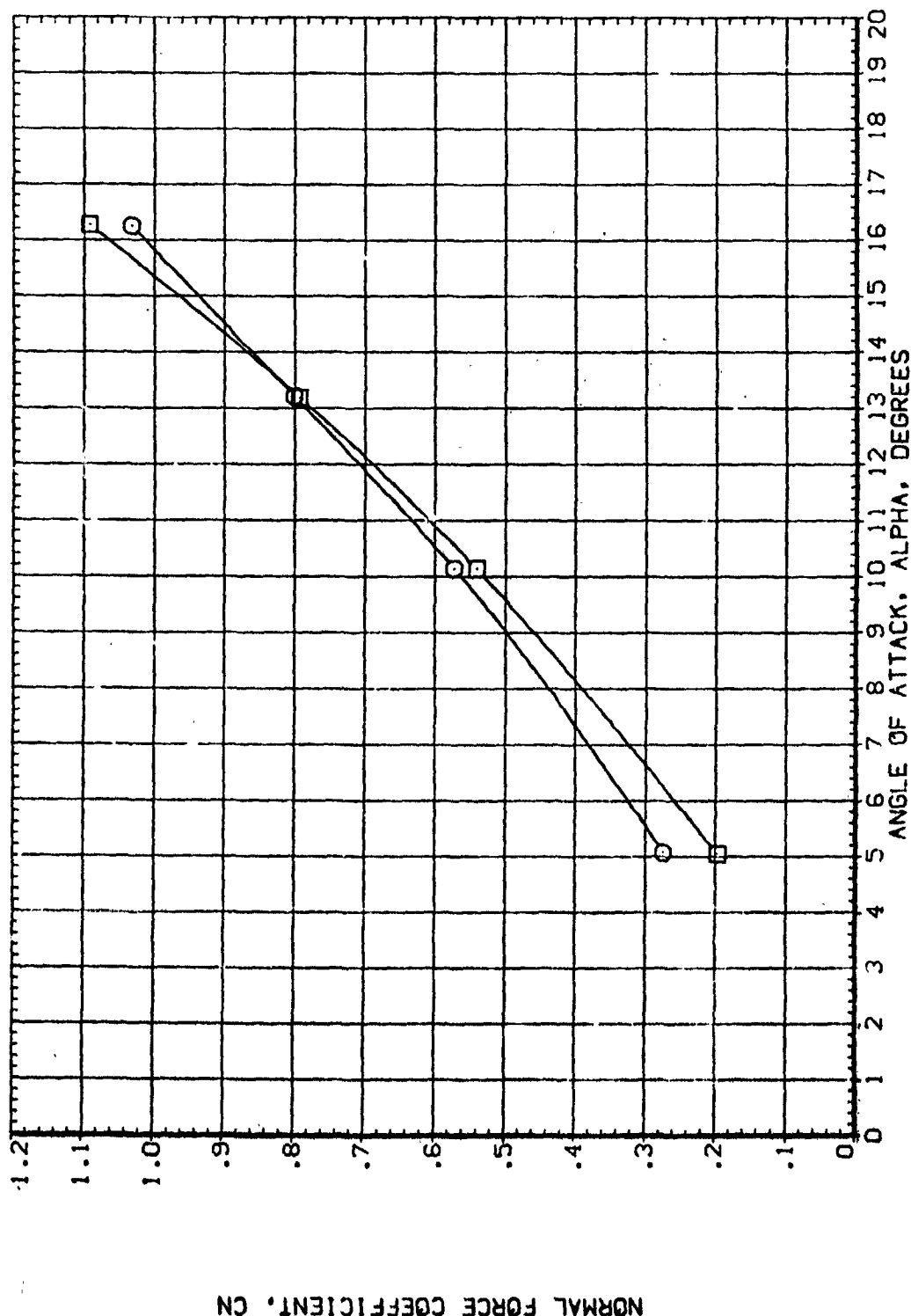


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL (R00201) (R00203)   CONFIGURATION DESCRIPTION 0459 B26C9G1SM7F8 0469 B26C9 H7F8 N116E26V8R5X9 N116E26V8R5X9

BETA 10.000 10.000 BDFLAP 14.250 -14.250 ELEVON .000 .000 RUDDER .000 .000 REFERENCE INFORMATION SREF 4.419 SQ.FT. LREF 52.2570 INCHES BREF 52.2570 INCHES XMRP 43.5974 INCHES YMRP .0000 INCHES ZMRP 16.2000 INCHES SCALE .0405

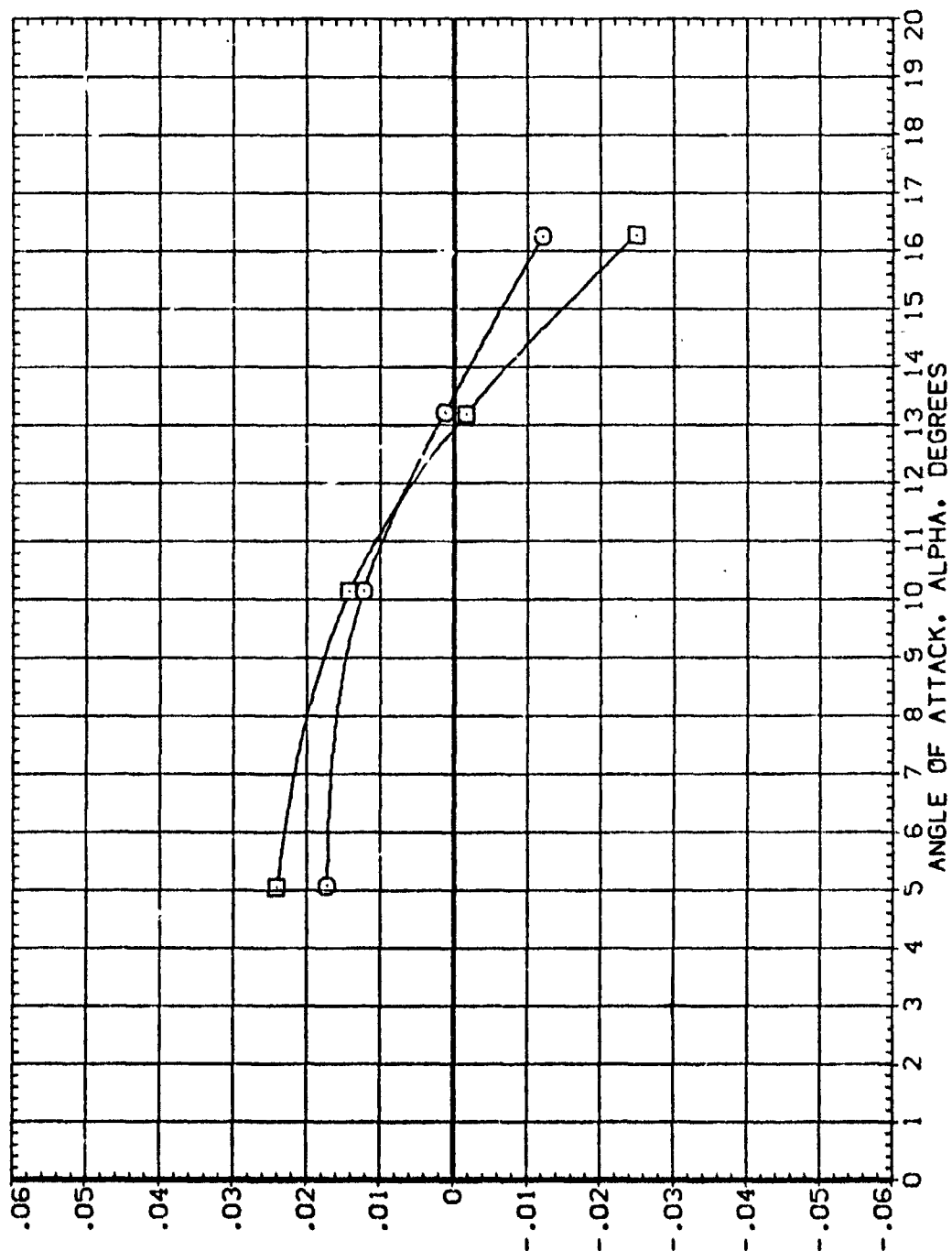


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

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REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P00201) 0A69 826C915M7F8 W116E26V8R3X9
 (FD2235) 0A69 826C9 M7F8 W116E26V8R3X9

BETA 80FLAP ELEVON RUDDER
 10.000 -14.250 .000
 10.000 -14.250 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405

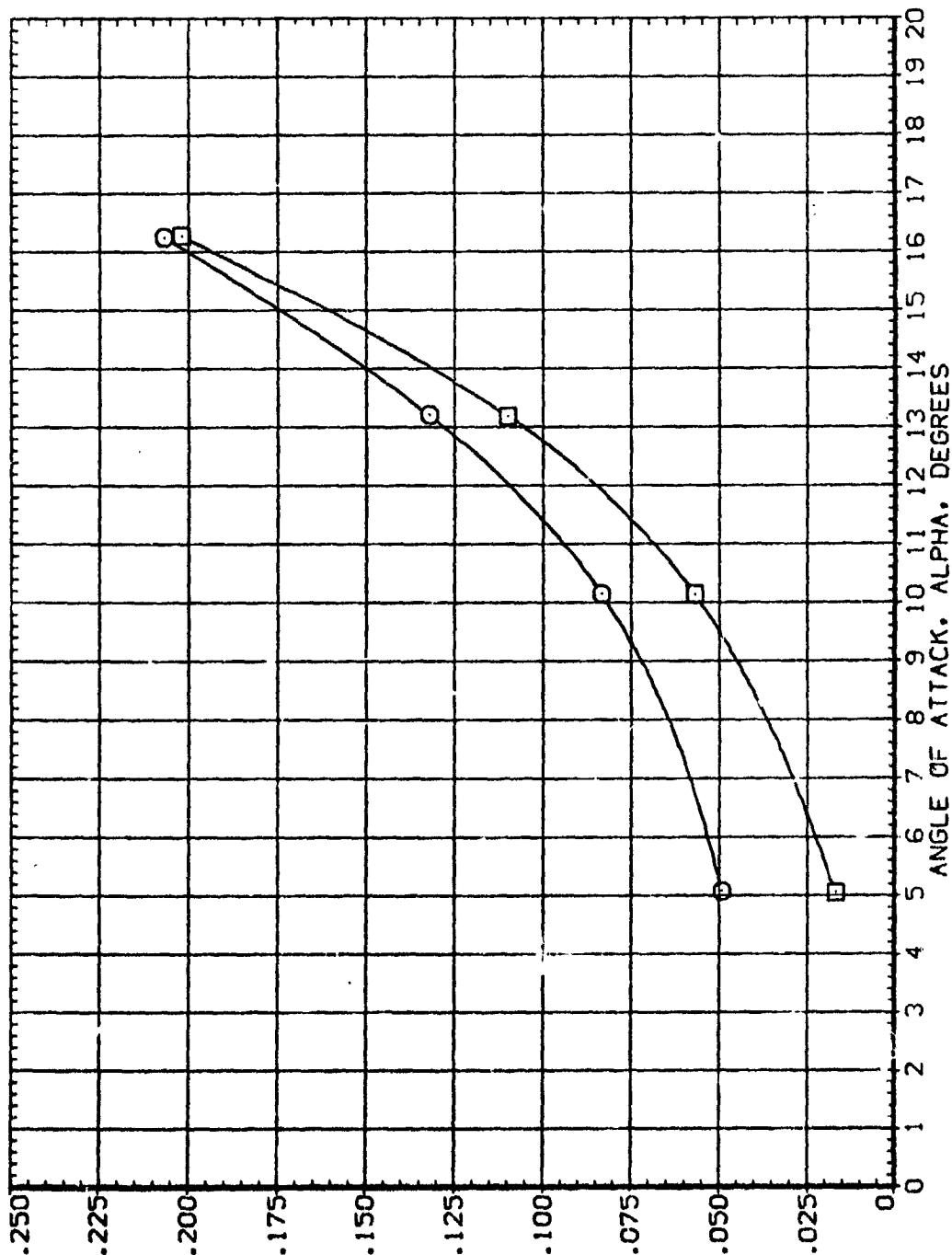


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R00201)	QAG9	B26C9	W7F8	W16E26	V8RSX9	10.000	-14.250	.000	.000	SREF	4.1119	50. FT.	
(R00205)	QAG9	B26C9	M7F8	W16E26	V8RSX9	10.000	-14.250	.000	.000	LREF	52.2570	INCHES	
										BREF	52.2570	INCHES	
										XMRP	43.5974	INCHES	
										YMRP	.0000	INCHES	
										ZMRP	16.2000	INCHES	
										SCALE	.3405	SCALE	

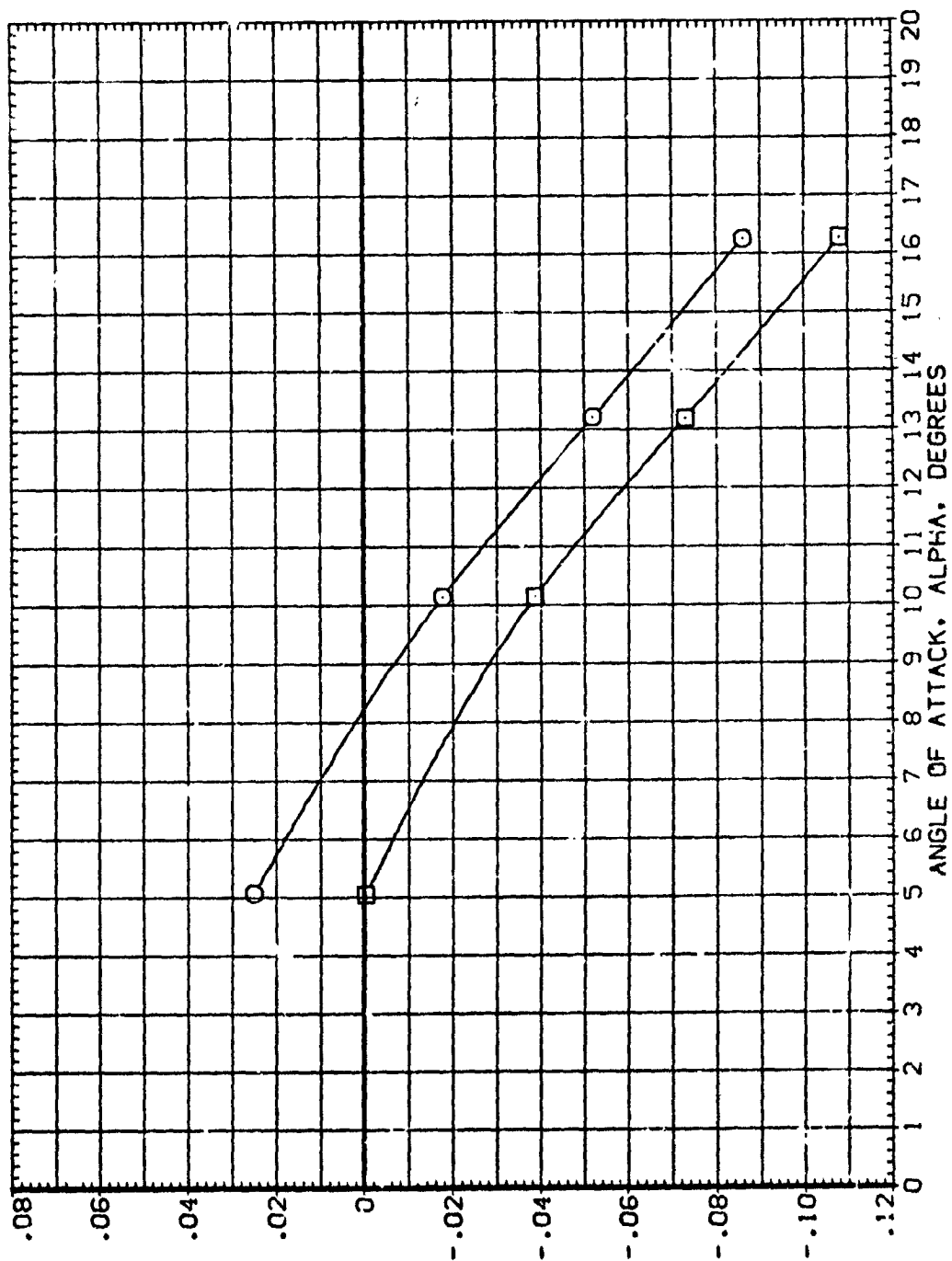


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A) MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00201) 8 0A9 82623G15M7F8 W116E26V8R5X9
 (R0205) 8 0A9 82623G15M7F8 W116E26V8R5X9

BETA BOFLAP ELEVON RUDDER

0.000 -14.250 .000 .000
 10.000 -14.250 .000 .000

REFERENCE INFORMATION

SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.0000 INCHES
 SCALE .0405

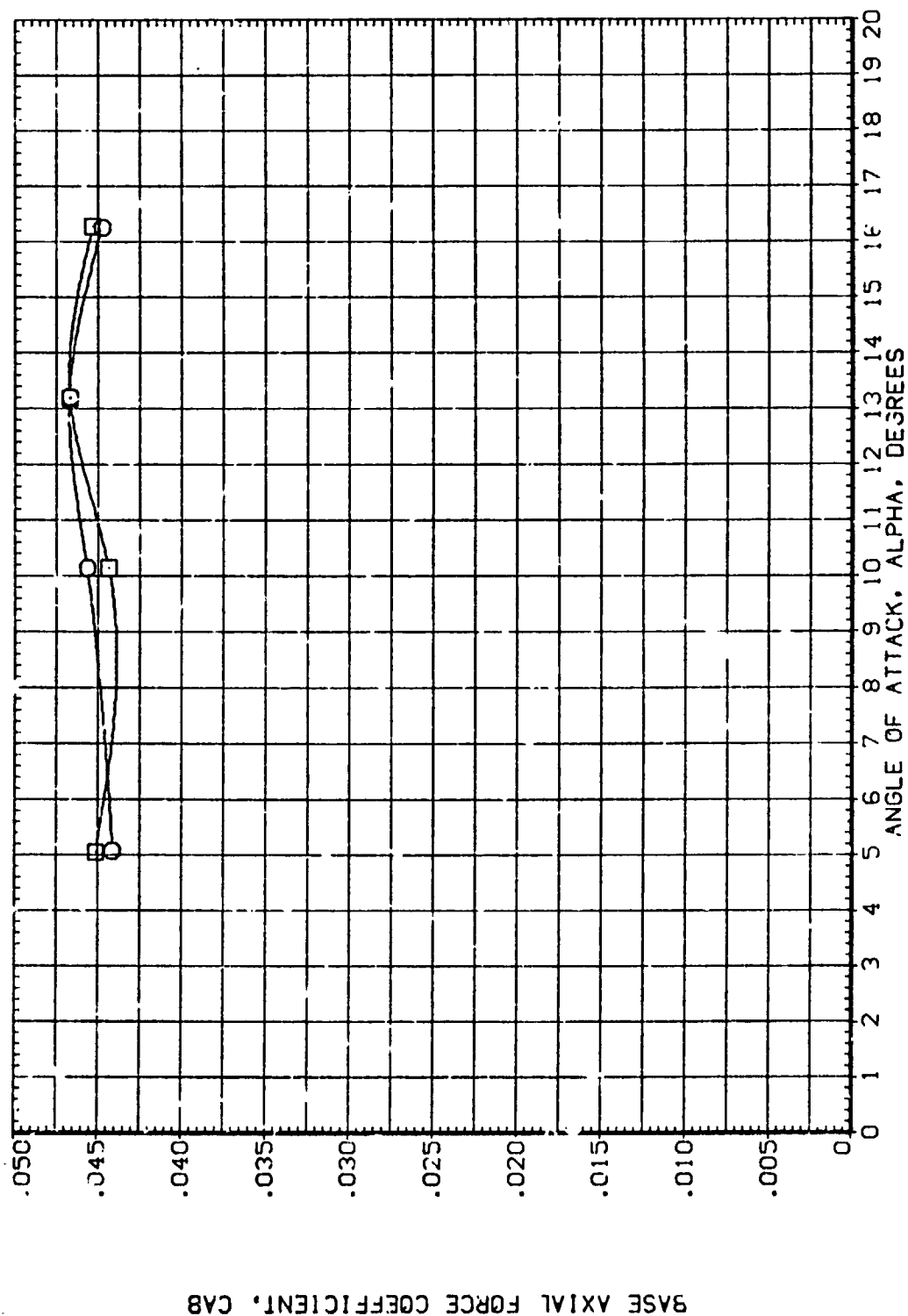


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

DATA SET SYMBOL B
 (PC0201)
 (R00205)

CONFIGURATION DESCRIPTION

QAS9 B26C961547F8 V11SE26V8RSX9
 CAS9 B26C9 47F8 V11SE26V8RSX9

BETA 10.000
 10.000
 10.000

BDCLAP -14.250
 -14.250
 -14.250

ELEVON .000
 .000
 .000

RUDDER .000
 .000
 .000

REFERENCE INFORMATION
 SREF 4.419 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XREF 43.5374 INCHES
 YREF 16.2000 INCHES
 ZREF 16.2000 INCHES
 SCALE .0425

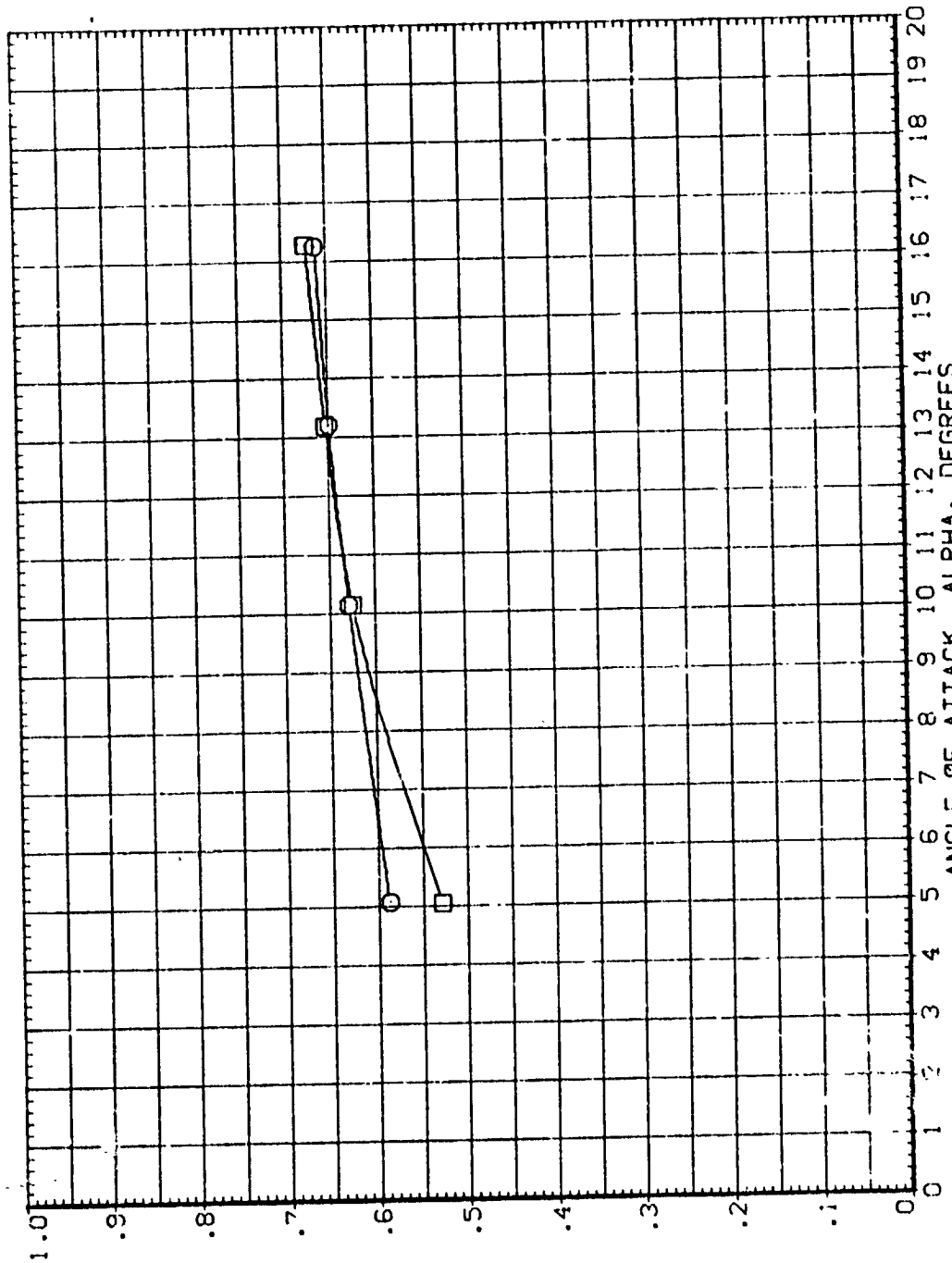


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

CAMACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC2201) 0A69 B26C901SH7F8 W116Z6V8R5X9
 (RC2205) 0A69 B26C9 H7F8 W116Z6V8R5X9

BETA 80FLAP ELEVON RUDDER
 10.000 -14.250 .000
 10.000 -14.250 .000
 REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 XMRP 52.2570 INCHES
 YMRP 43.5974 INCHES
 ZMRP .0000 INCHES
 16.2000 INCHES
 SCALE .0405 SCALE

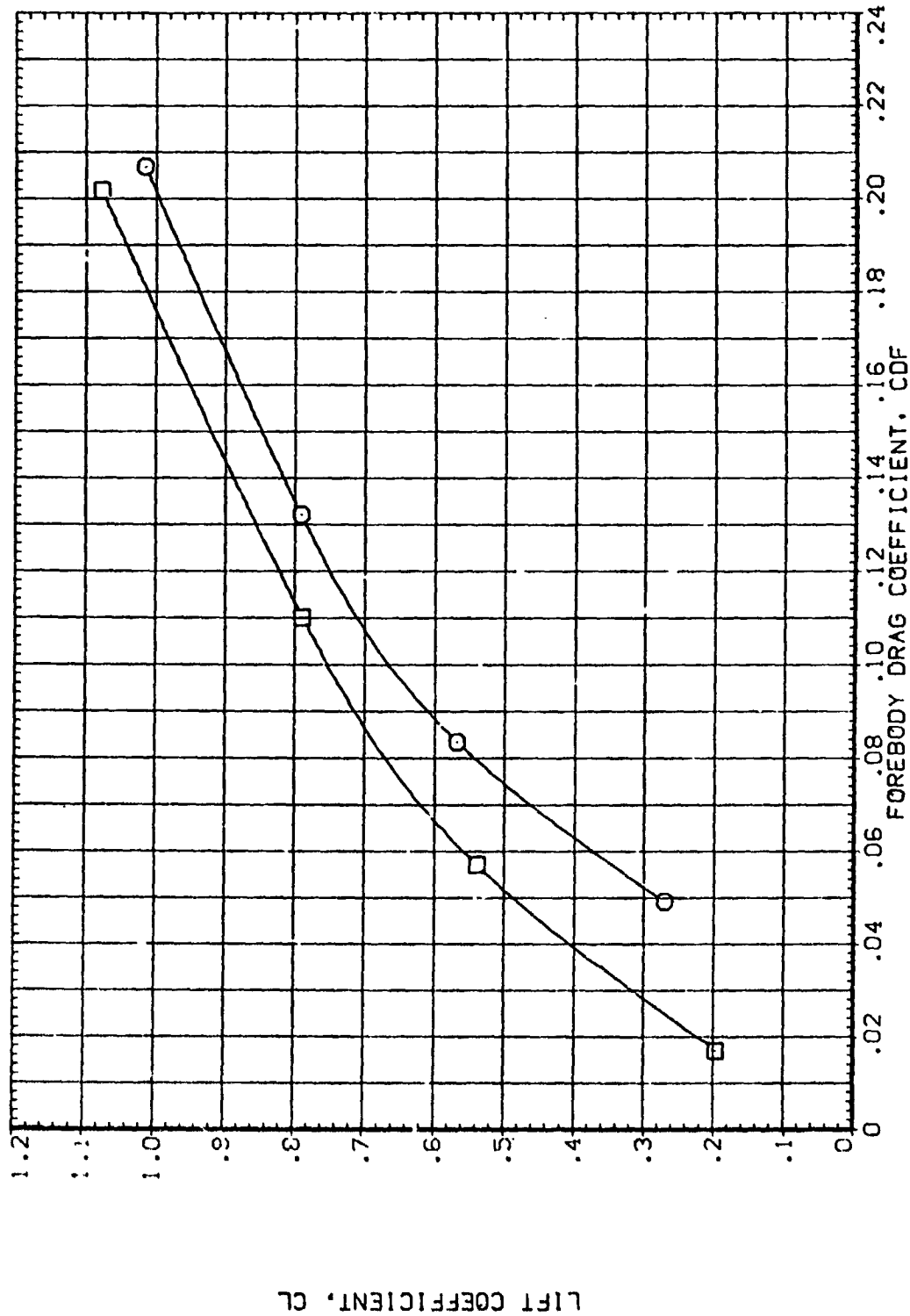


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .15

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02201) B 0A59 B26C915M7F8 W116E28V8R3X9
 (R02205) B 0A59 B26C9 M7F8 W116E28V8R3X9

BETA R0FLAP ELEVON RUDDER REFERENCE INFORMATION
 10.000 -14.250 .000 SREF 4.4119 SQ. FT.
 10.000 -14.250 .000 LREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP 16.0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405

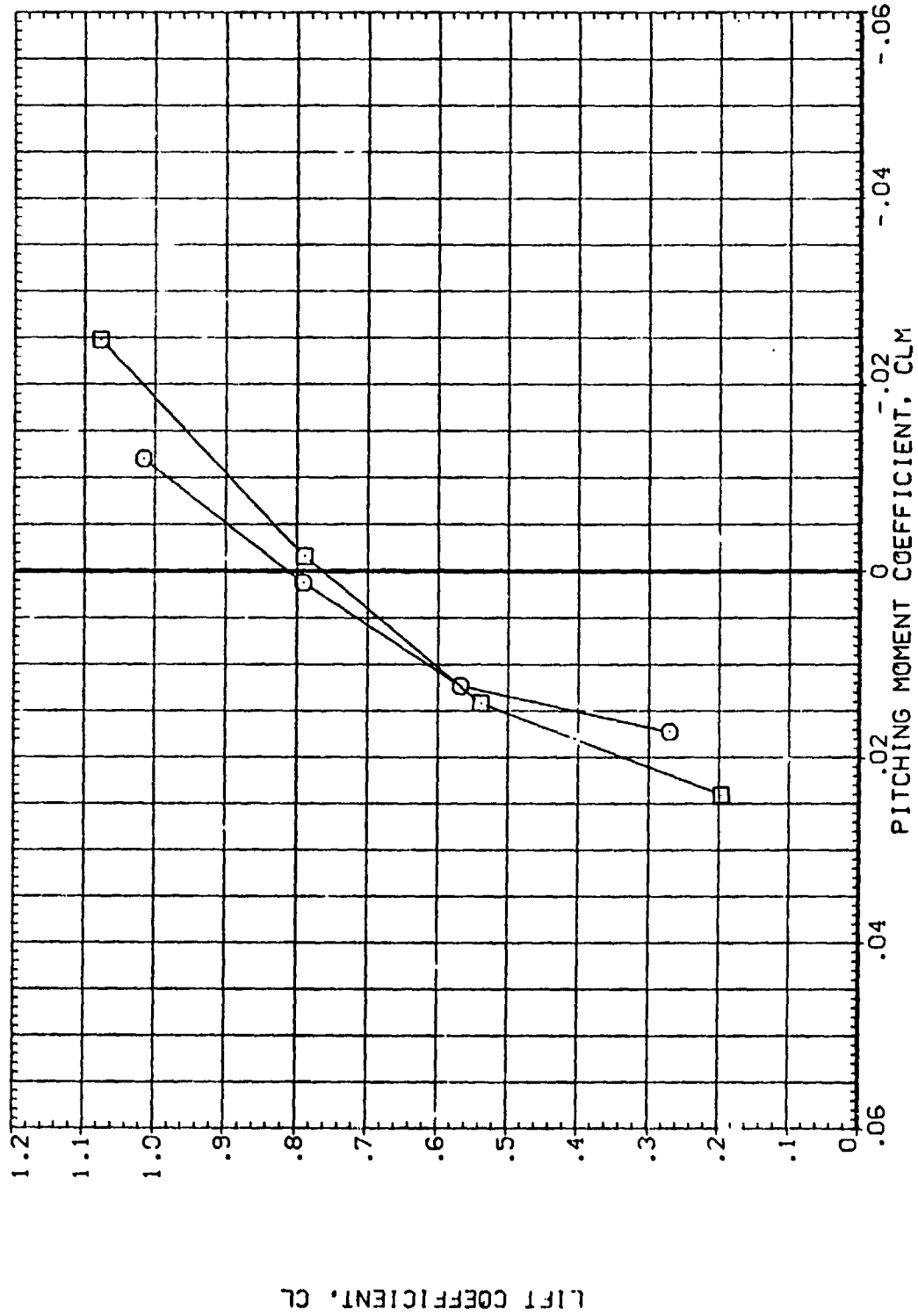


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A)MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (800201) 0A69 B26C9G15M7F8 W116E26V8R5X9
 (800205) 0A69 B26C9 M7F8 W116E26V8R5X9

BETA BDFLAP ELEVON RUDDER REFERENCE INFORMATION
 10.000 -14.250 .000 .000 SREF 4.4119 50.00
 10.000 -14.250 .000 .000 LREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE 105

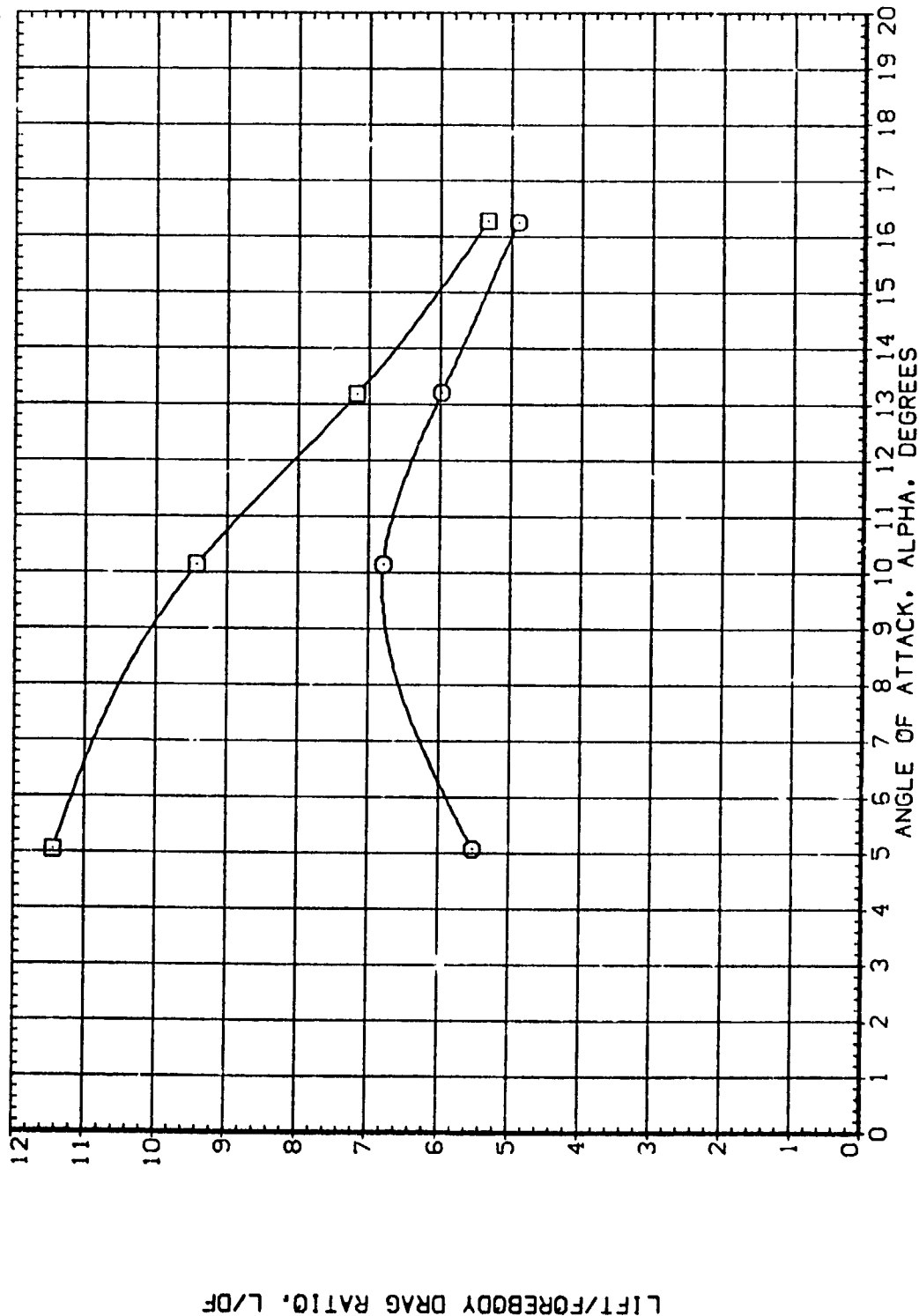


FIG. 6 LONGITUDINAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.

(A) MACH = .16

DATA SET SYMBOL CONFIGURATION DESCRIPTION BETA BOFLAP ELEVON RUDDER REFERENCE INFORMATION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00198)	0A69 B26C9G1SH7F8 W116E26V8R3X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ. FT.
(R00202)	0A69 B26C9 M7F8 W116E26V8R3X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	0A69 B26C9 M7F8 W116E26V8R3X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405 INCHES

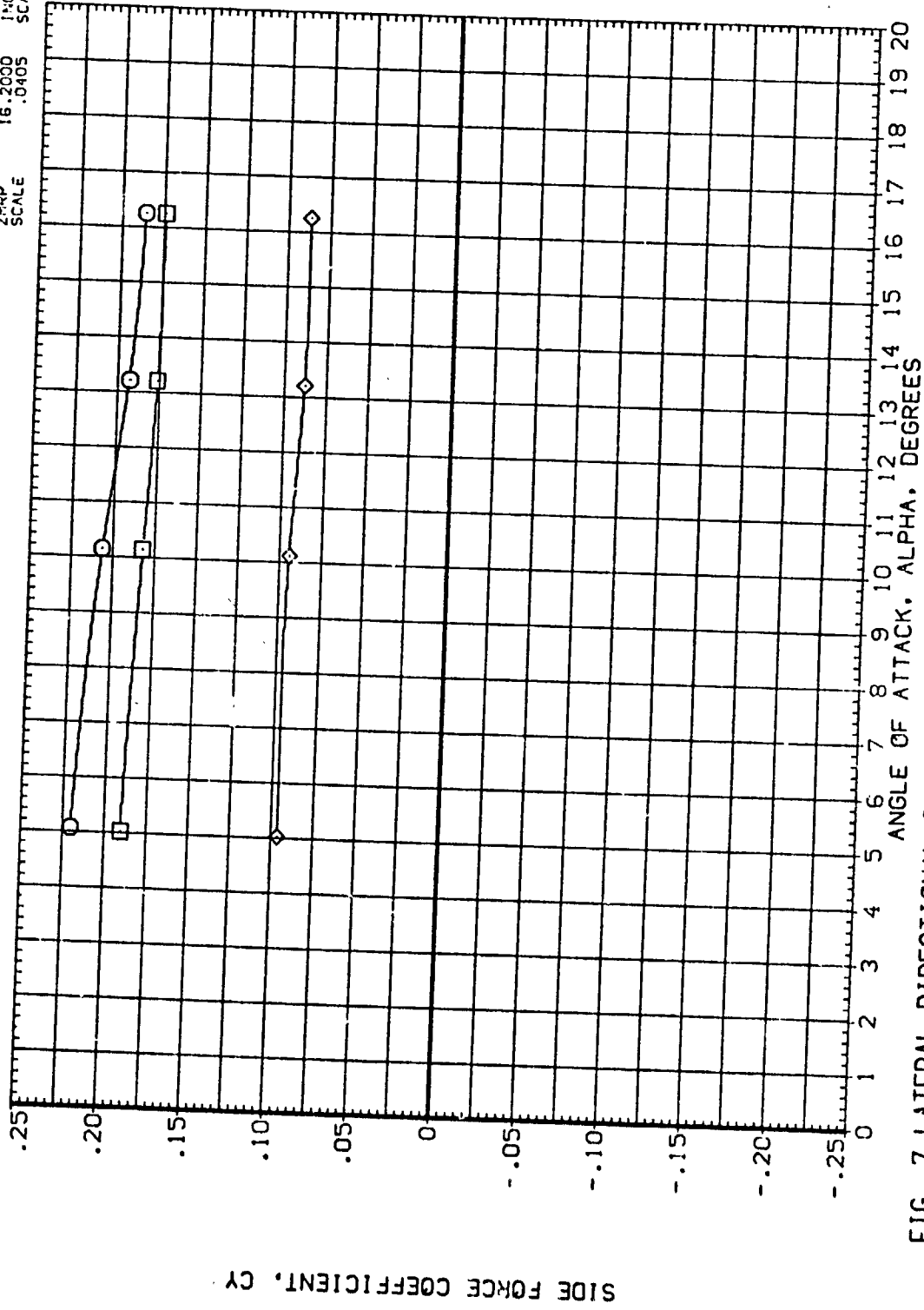


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG
 (A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BOFLAP	ELEVON	RUDDER	REFERENCE INFORMATION
RO0199	0A69 B26C9G15M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.F.
RO0202	0A69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
RO0203	0A69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XMRP 43.5974 INCHES
						YMRP .0000 INCHES
						ZMRP 16.2000 INCHES
						SCALE .0405

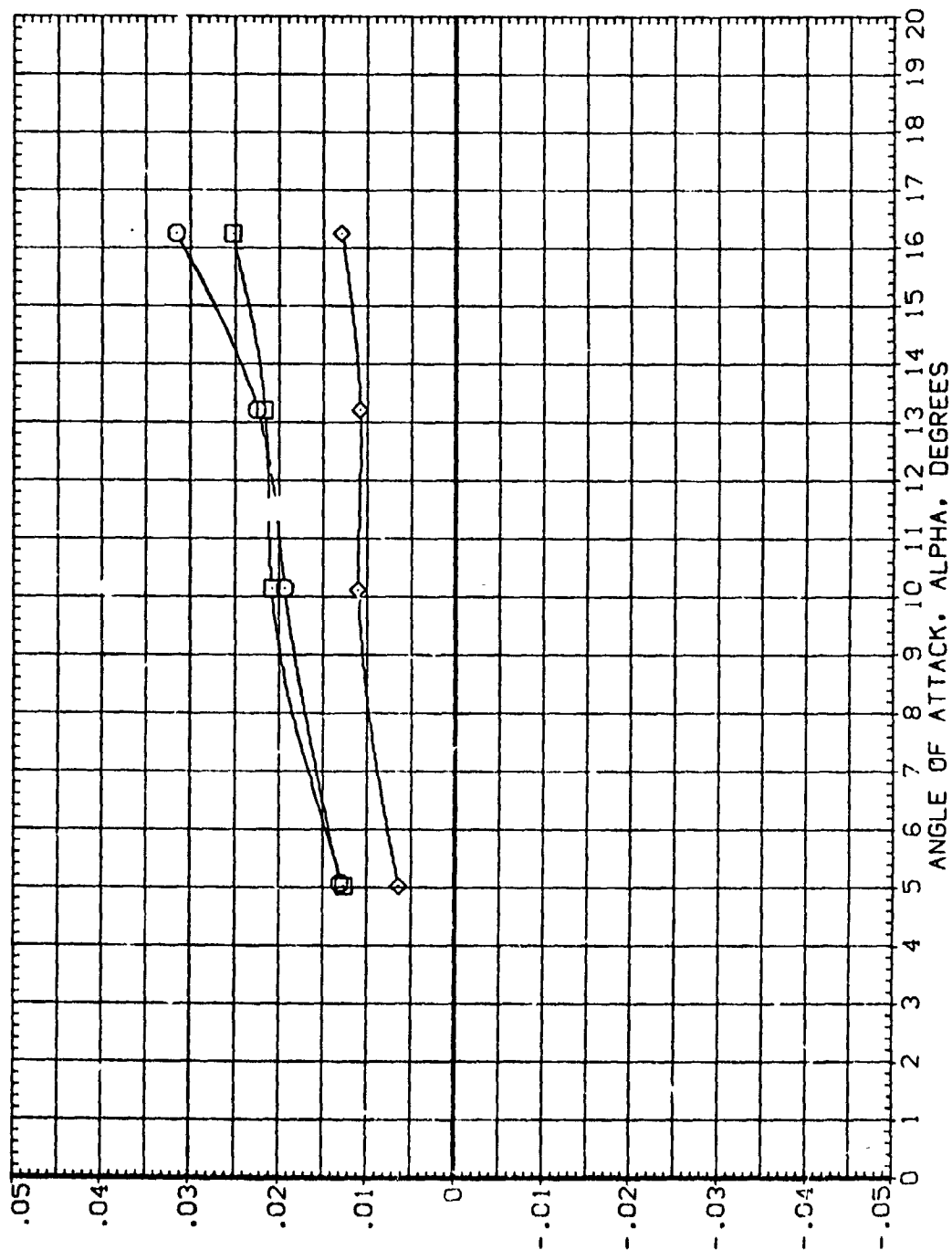


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG
(A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BDCLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(R00199)	DA69 B26C9G15M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	SREF 4.4119 SQ.FT.
(R00202)	DA69 B26C9 M7F8 W116E26V8R5X9	-10.000	-14.250	.000	.000	LREF 52.2570 INCHES
(R00203)	DA69 B26C9 M7F8 W116E26V8R5X9	-5.000	-14.250	.000	.000	BREF 52.2570 INCHES
						XREF 43.5974 INCHES
						ZREF 16.2000 INCHES
						SCALE .0405

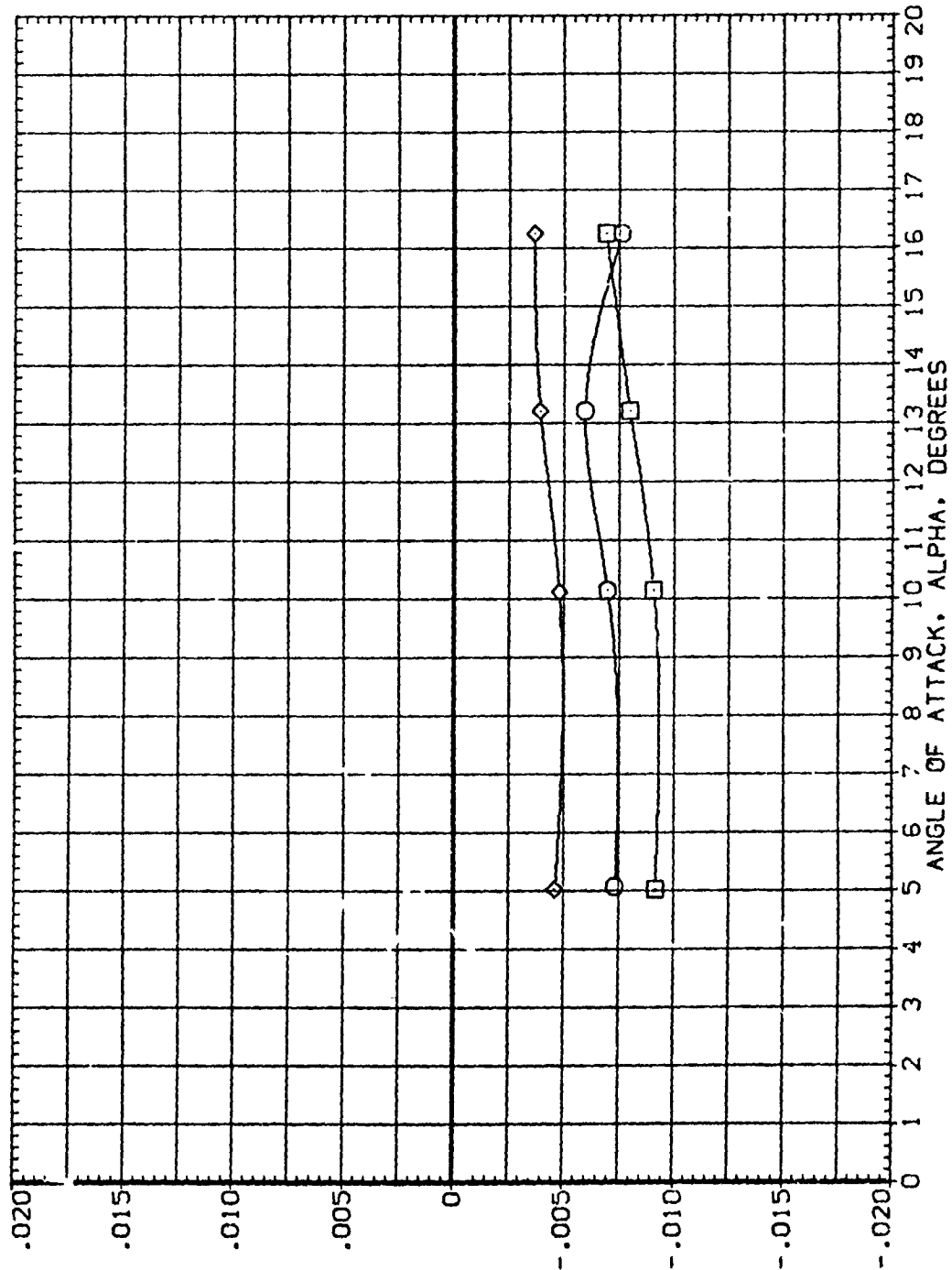


FIG. 7 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF- BETA=-5 AND -10 DEG

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ORIGINAL PAGE IS POOR

DATA SET SYMBOL		CONFIGURATION DESCRIPTION		BETA		BOFLAP		ELEVON		RUDDER		REFERENCE INFORMATION	
(R02200)	Q	0A69	B26C9G1SK7F8	W116E26V8R5X9	.000	-14.250	.000	.000	SREF	4.4119	50. FT.		
(R02204)	Q	0A69	B26C9	H7F8	.000	-14.250	.000	.000	LREF	52.2570	INCHES		
									BREF	52.2570	INCHES		
									XMPP	43.5974	INCHES		
									YMPP	.0000	INCHES		
									ZMPP	16.2000	INCHES		
									SCALE	.0405	INCHES		

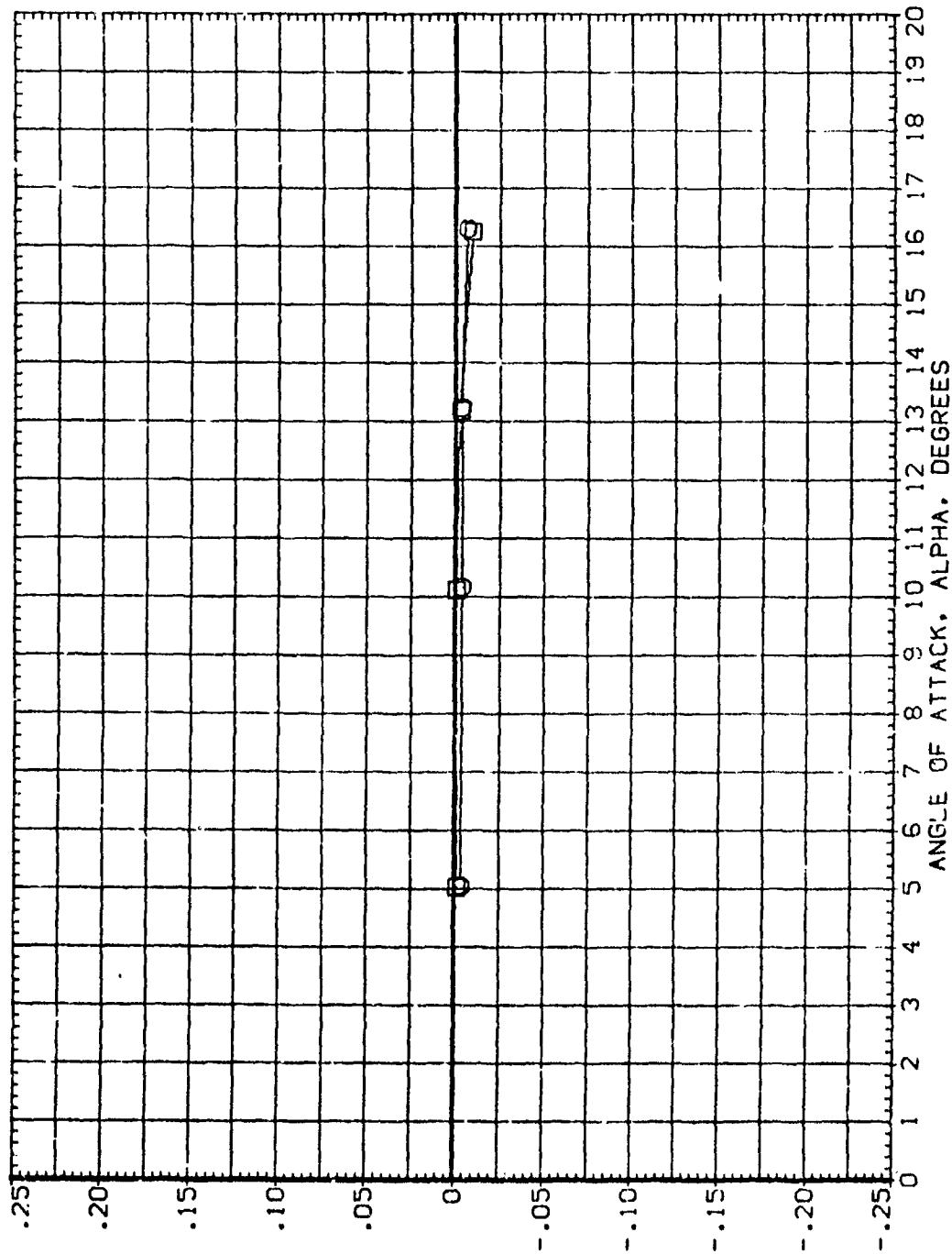


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A)MACH = .16

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	BD FLAP	ELEVON	RUDDER	REFERENCE INFORMATION
(RD0200)	0A69 B26C9G15H7F8 W11E26V8R5X9	.000	-14.250	.000	.000	SREF 4.4119 SQ. FT.
(RD0204)	0A69 B26C9 H7F8 W11E26V8R5X9	.000	-14.250	.000	.000	LREF 52.2570 INCHES
						BREF 52.2570 INCHES
						XPRP 43.5574 INCHES
						YPRP .0000 INCHES
						ZPRP 16.2000 INCHES
						SCALE .0405

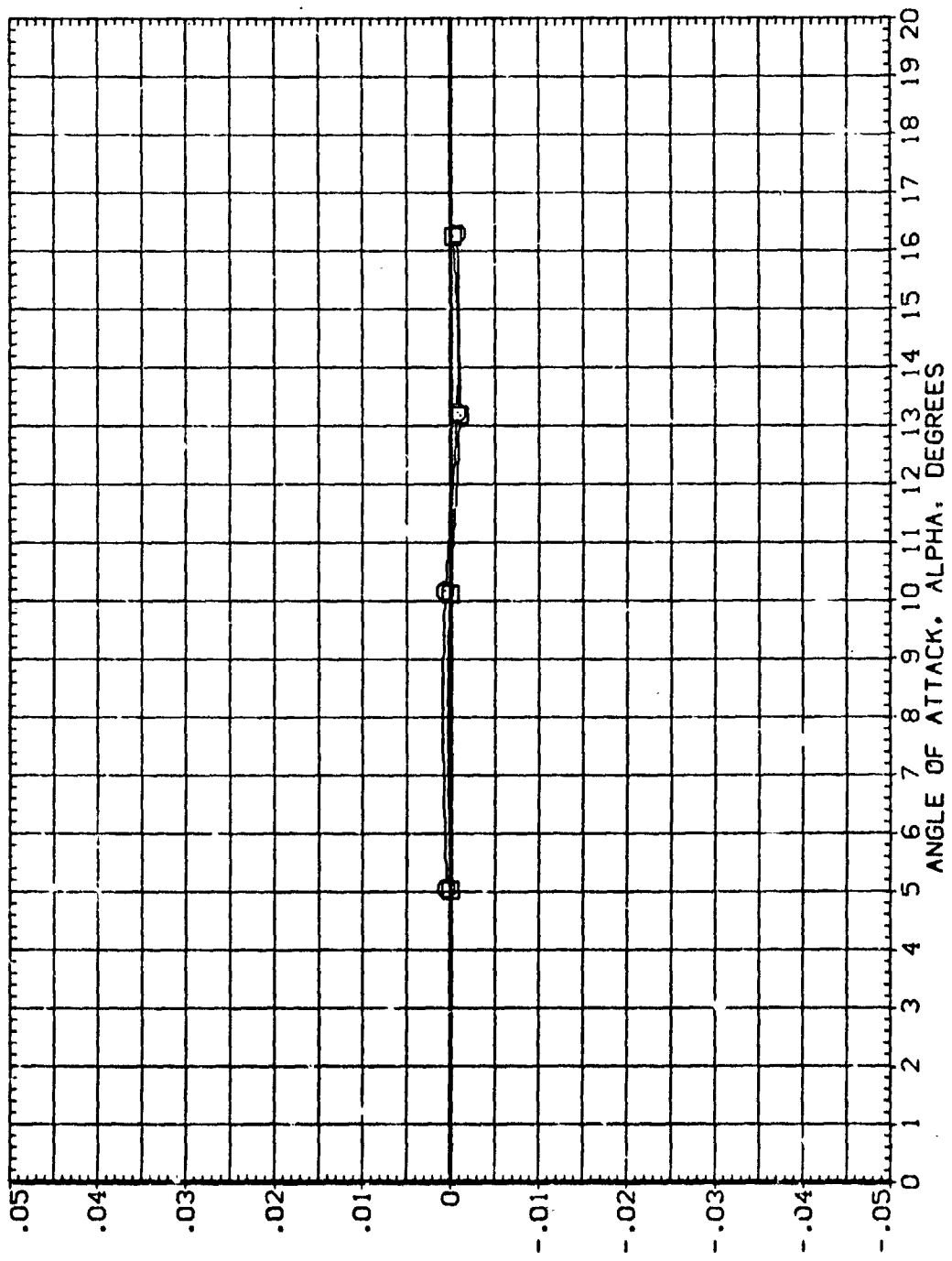


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.
 (A) MACH = .16 PAGE 35

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC0200) 8 0A69 B26C9G1M7F8 V115E26V8R3X9
 (RD2204) 0A69 B26C9 M7F8 V115E26V8R3X9

BETA BDFLAP ELEVON RUDDER
 .000 -14.250 .000 .000
 .000 -14.250 .000 .000

REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 YMRP 43.5974 INCHES
 ZMRP 16.0000 INCHES
 SCALE 16.2000 INCHES
 .0405

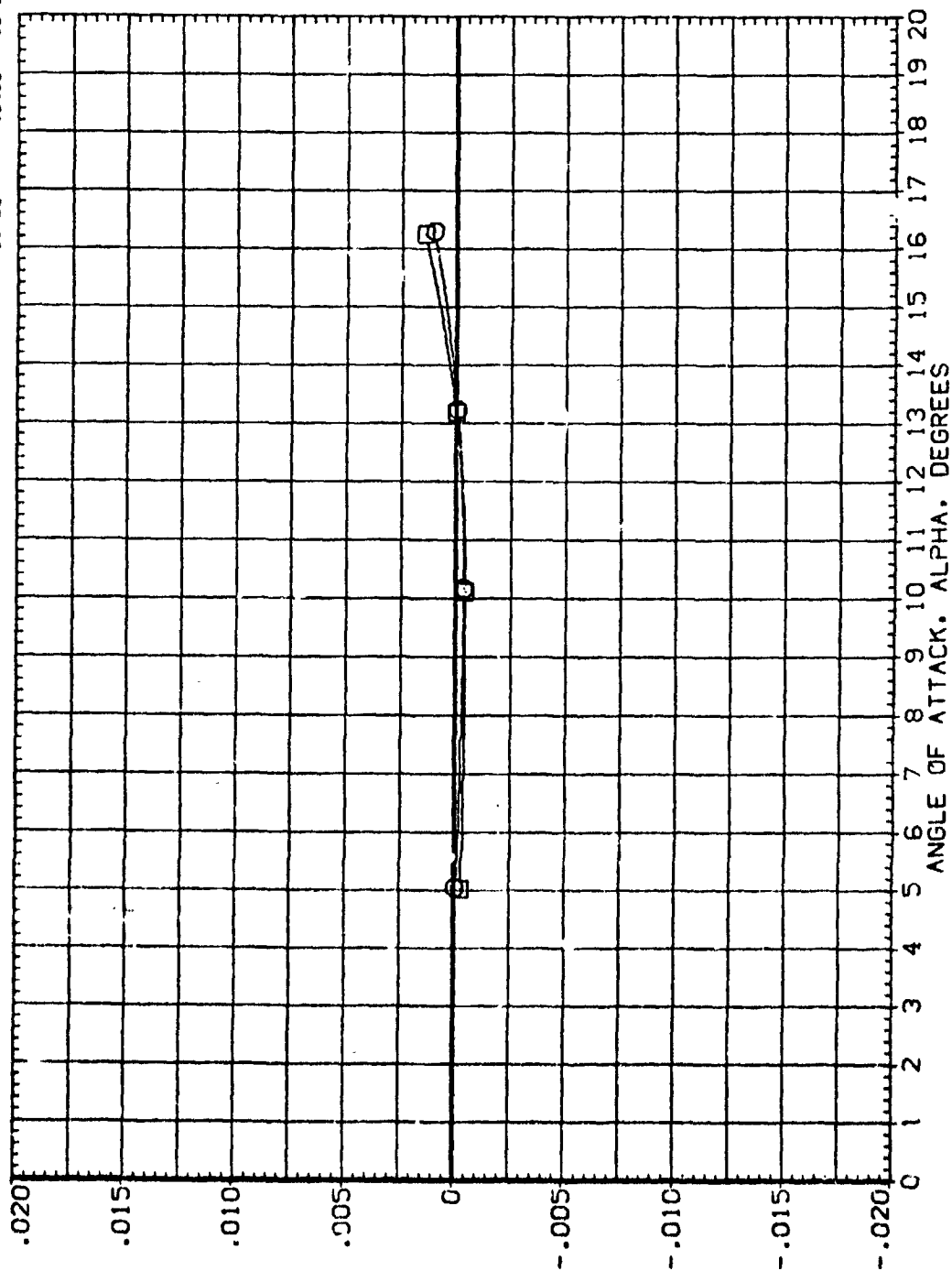


FIG. 8 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 0 DEG.

(A)MACH = .16

DATA SET SYMBOL: 069 B26C9 M7F8 W116E26V8R5X9
 (R00201) 069 B26C9 M7F8 W116E26V8R5X9
 (R00205)

BETA: 10.000
 10.000
 10.000

REFERENCE INFORMATION:
 SREF: 4.4119 SO. FT.
 LREF: 52.2570 INCHES
 BREF: 52.2570 INCHES
 YMRP: 43.5874 INCHES
 ZMRP: .0000 INCHES
 SCALE: 16.2000 INCHES
 .0405

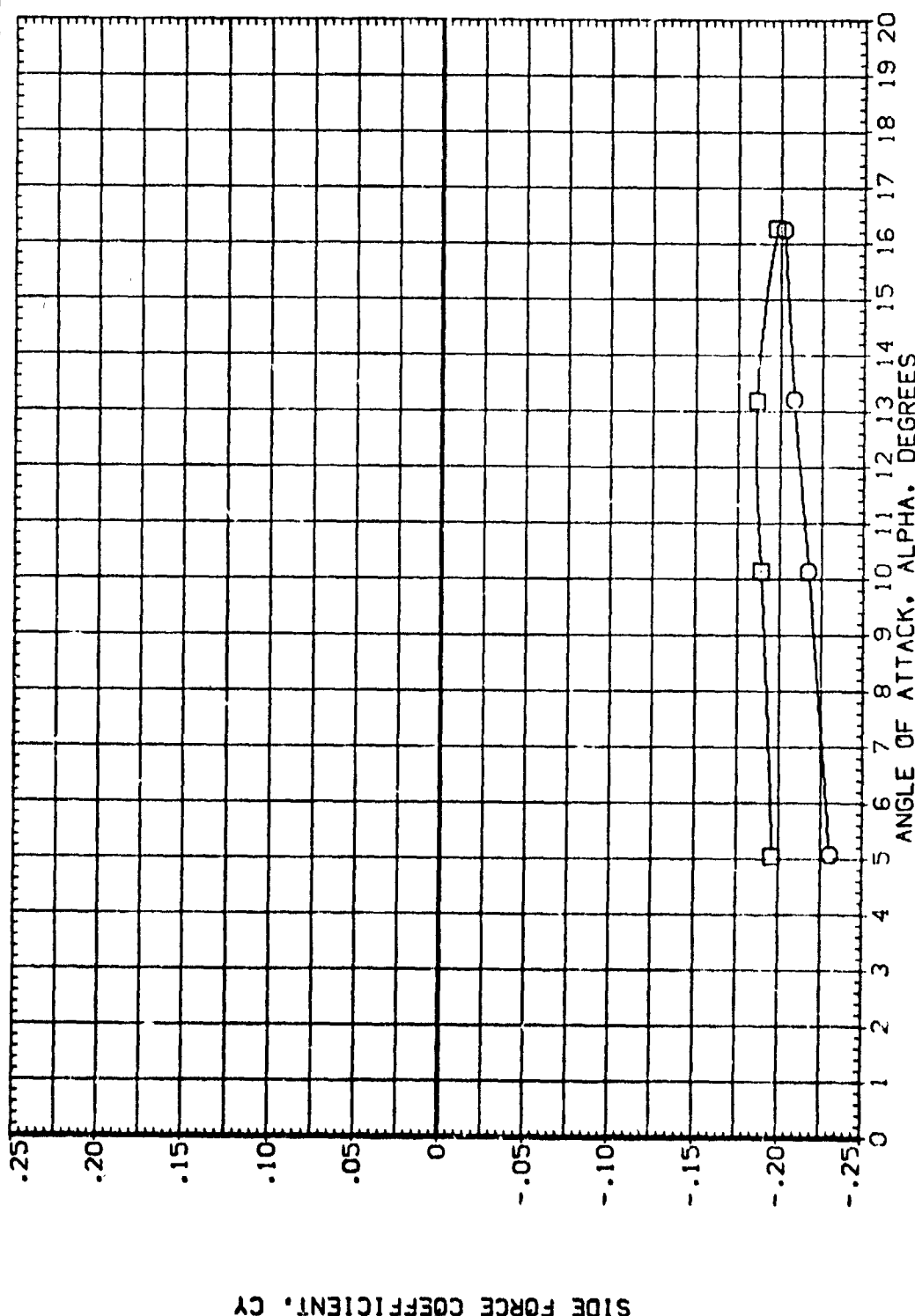
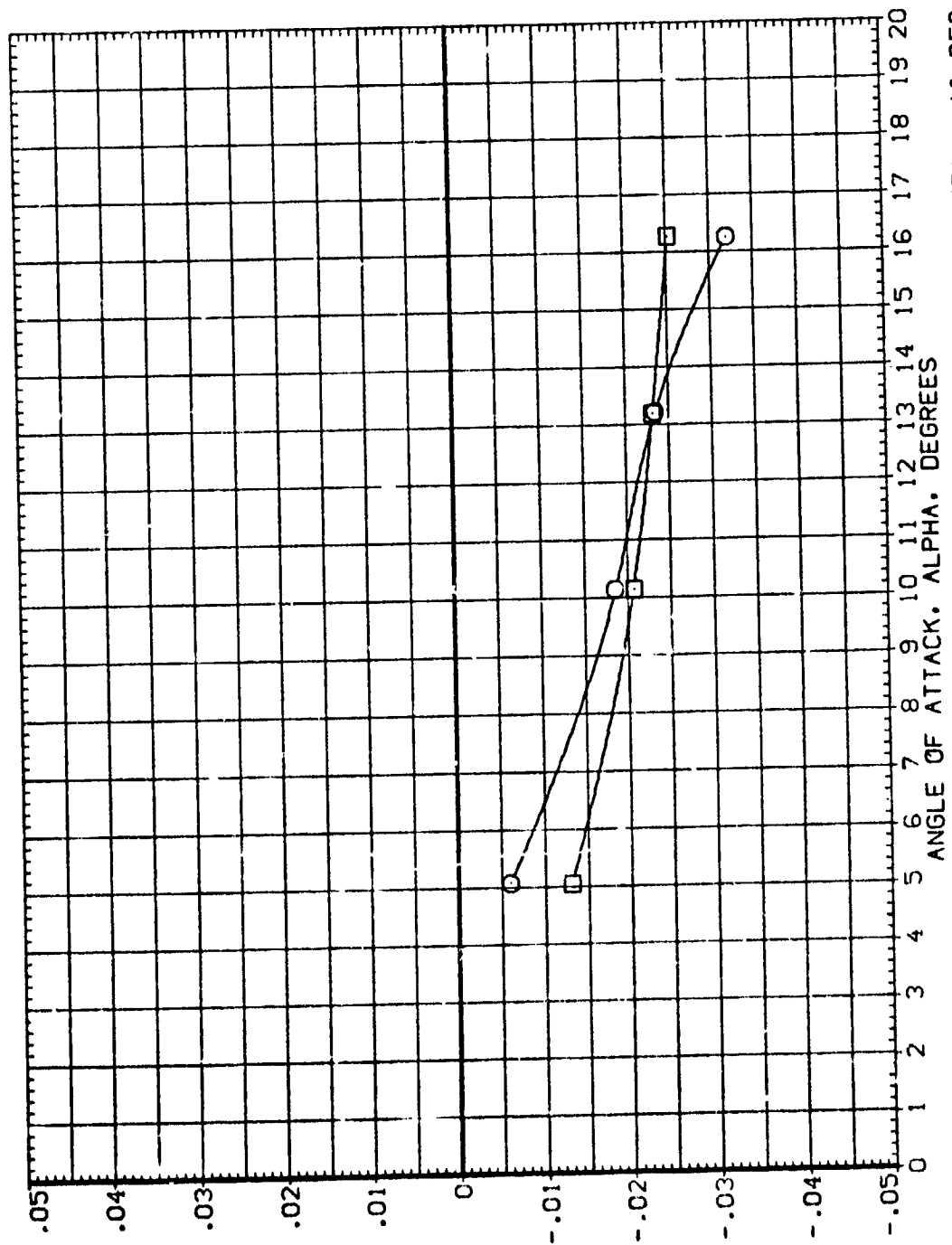


FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.
 (A) MACH = .16

DATA SET SYMBOL (R00201) (R00205)  CONFIGURATION DESCRIPTION
 0A69 B26C9 M7F8 W116E26V8RSX9
 0A69 B26C9 M7F8 W116E26V8RSX9

BETA 10.000 10.000
 BOFLAP -14.250 -14.250
 ELEVON .000 .000
 RUDDER .000 .000
 REFERENCE INFORMATION
 SREF 4.4119 SQ.FT.
 LREF 52.2570 INCHES
 BREF 52.2570 INCHES
 XMRP 43.5974 INCHES
 YMRP .0000 INCHES
 ZMRP 16.2000 INCHES
 SCALE .0405



ROLLING MOMENT COEFFICIENT, CBL (BODY AXIS)

FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.
 (A)MACH = .16 PAGE 38

E

DATA SET SYMBOL (RQJ201) (RQJ205) B B

CONFIGURATION DESCRIPTION QAG9 B26C9B15M7F8 W11626V8P5X3 QAG9 B26C9 M7F8 W11626V8P5X3

BETA 10.000 10.000

BOLAP -14.250 -14.250

ELEVON .000 .000

RUDDER .000 .000

REFERENCE INFORMATION

SREF	4.419	SQ.FT.
LREF	52.2570	INCHES
BREF	52.2570	INCHES
XMRP	43.5974	INCHES
YMRP	.0000	INCHES
ZMRP	16.2000	INCHES
SCALE	.0405	INCHES

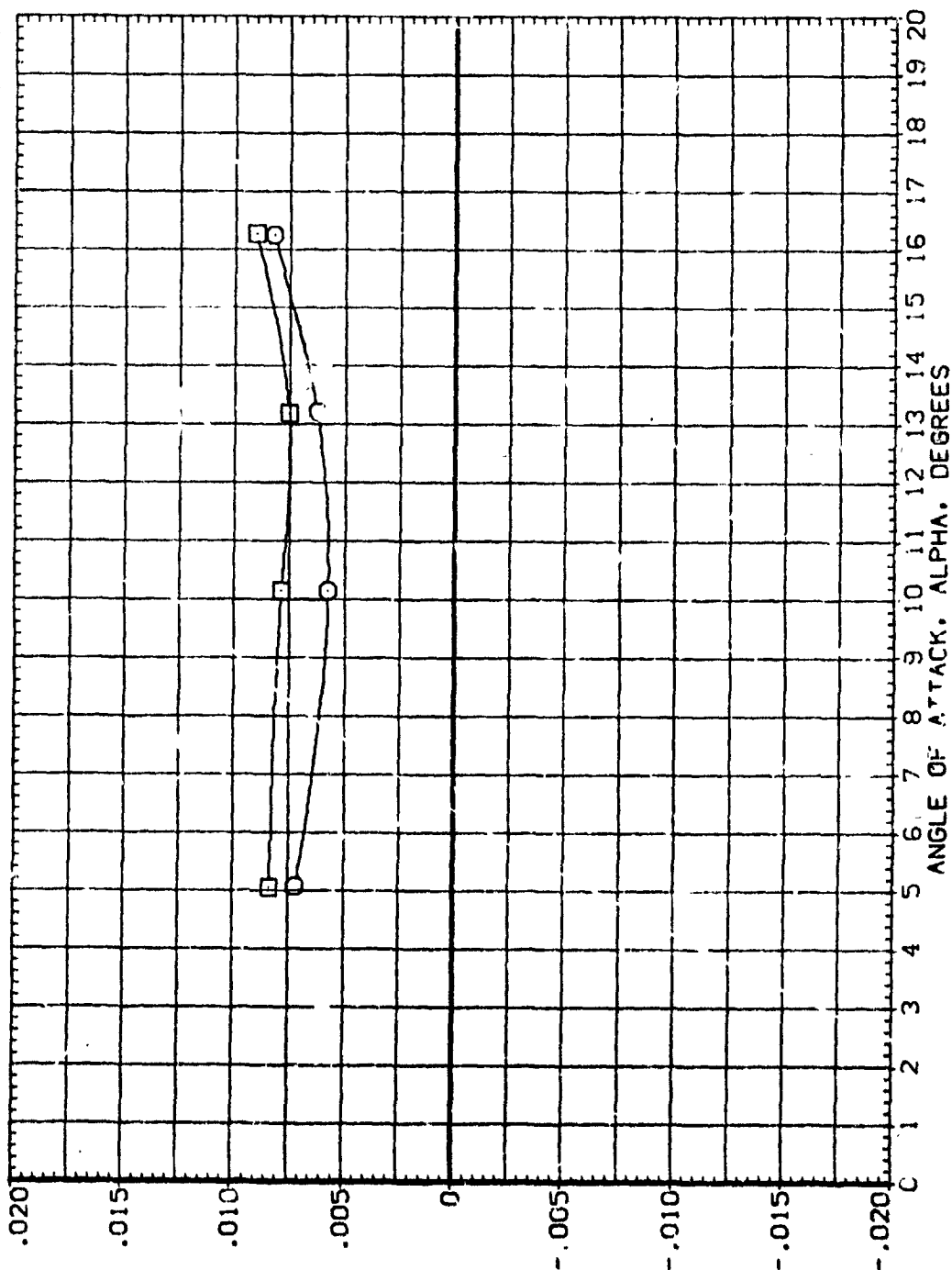


FIG. 9 LATERAL DIRECTIONAL CHARACTERISTICS, GEAR ON AND OFF - BETA = 10 DEG.
(A)MACH = .16

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

826C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB03)

0-2

SYMBOL	ALPHA		PHI		BETA		PARAMETRIC VALUES	
	-2.980	.020	.000	.000	-10.060	.000	ELEVON	RUDDER
□	10.090	13.190					80FLAP	BETA
◇	16.220							
△								
▽								
◇								
△								
▽								
◇								
△								
▽								

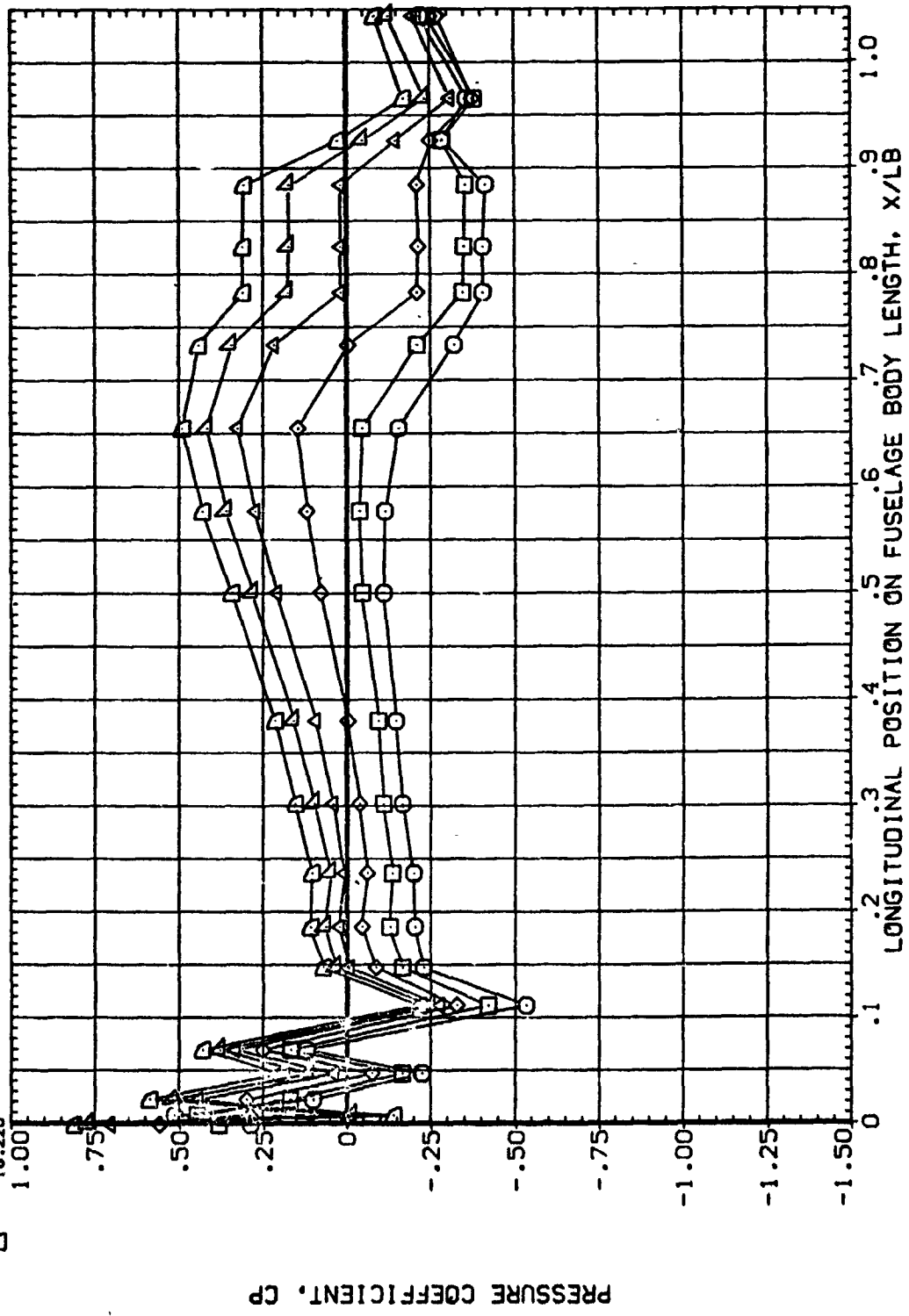


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDC803)

SYMBOL	ALPHA		PHI	BETA	PARAMETRIC VALUES		
	-2.980	.020	20.000	-10.060	ELEVON	.000	RUDDER
□	5.020	10.090			BDFLAP	-14.250	BETA
◇	13.190	16.220					-10.000

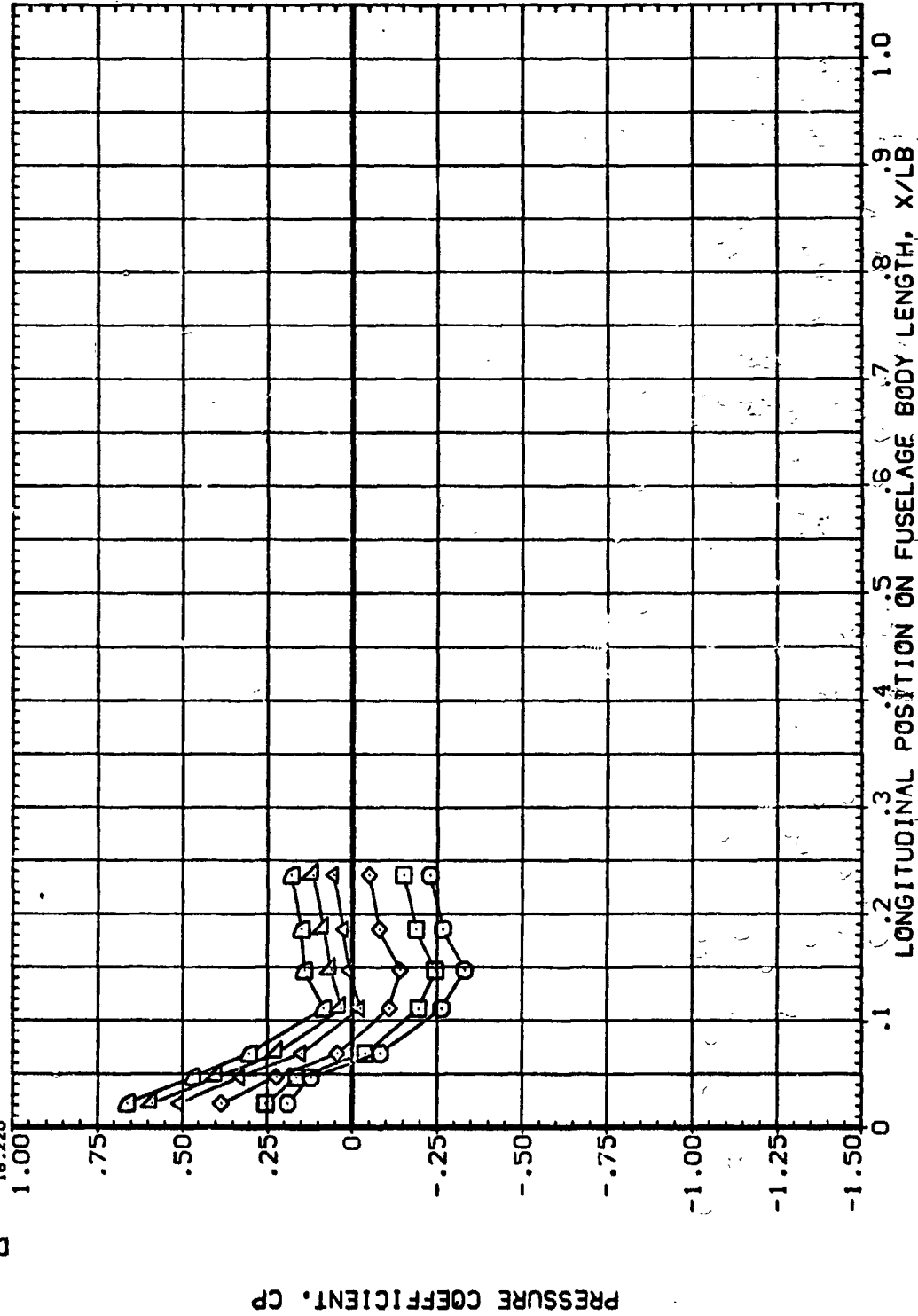


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(RDQB03)

B26C9G15M7F6W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI 40.000 BETA -10.060

ALPHA -2.980
.020
5.020
10.090
13.190
16.220

SYMBOL
◇
▽
△
□
○

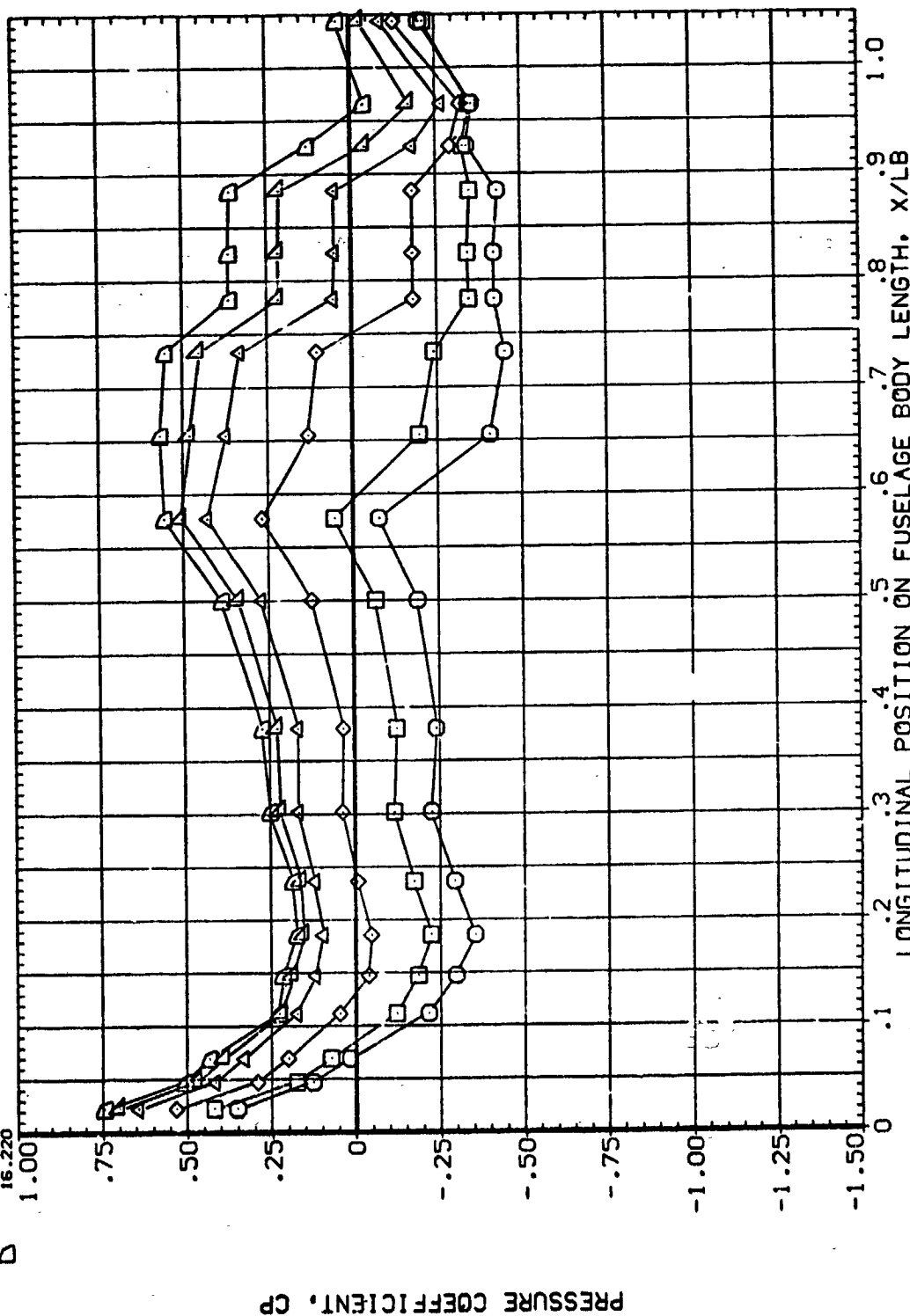


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G:SM7F8W116E26V8R5X9 LEFT FUSELAGE

(RQGB03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

PHI BETA
55.000 -10.060

ALPHA
1.980
.020
5.020
10.090
13.190
16.220

SYMBOL
○ □ ◇ △ ▽

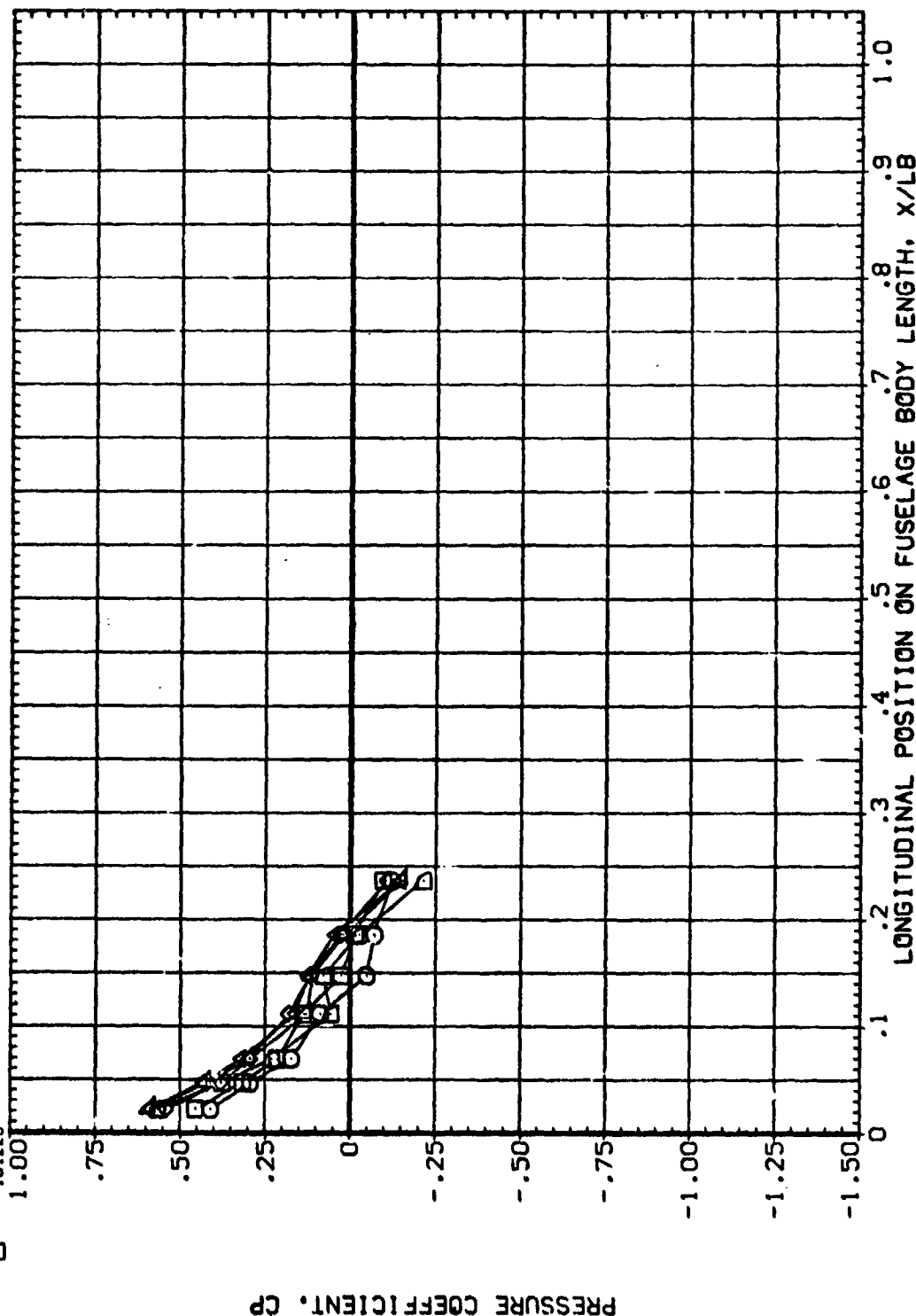


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL

ALPHA	PHI	BETA
-2.980	70.000	-10.060

PARAMETRIC VALUES	
ELEVON	.000 RUDDER .000
BOFLAP	-14.250 BETA -10.000

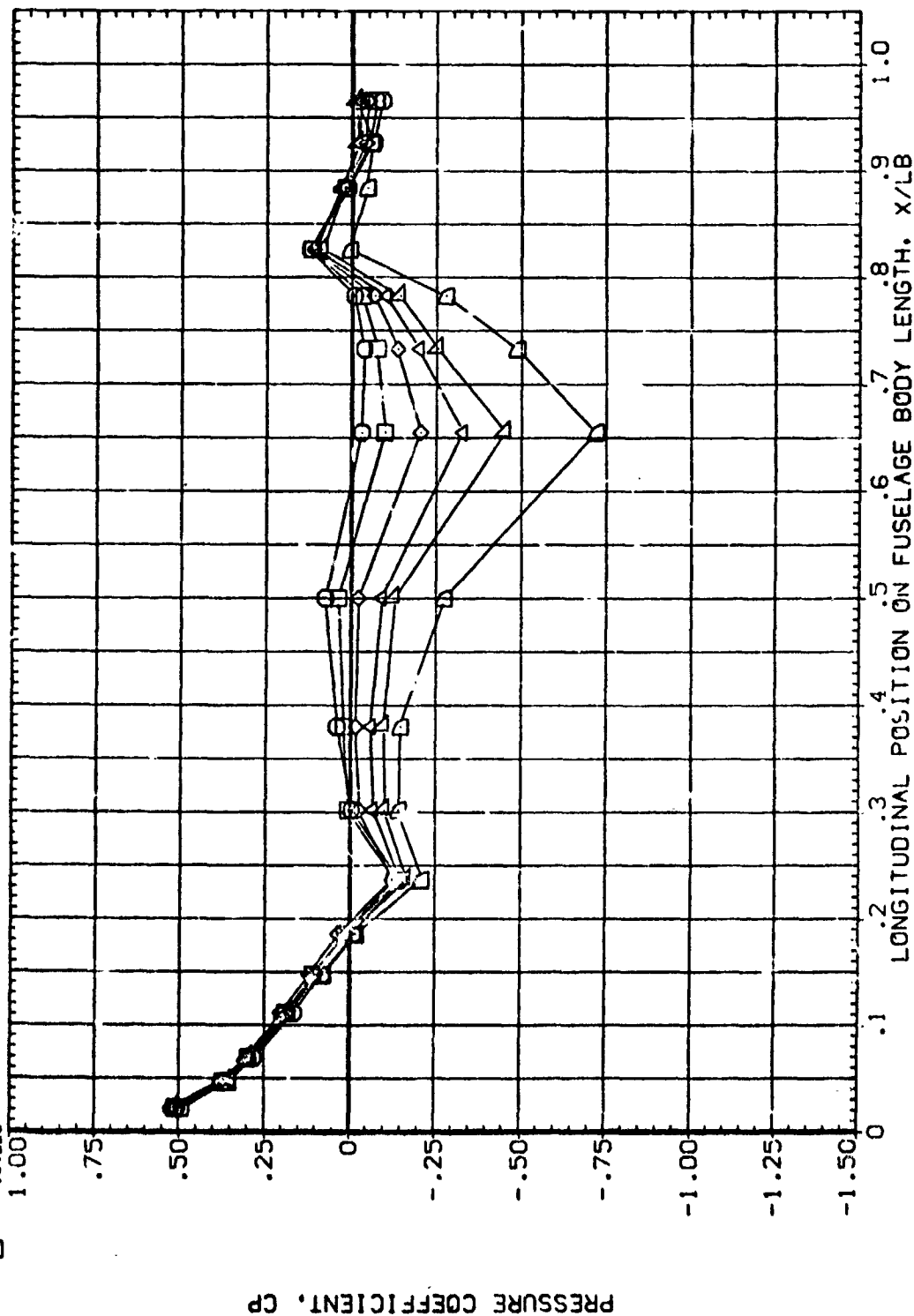


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 90.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▿

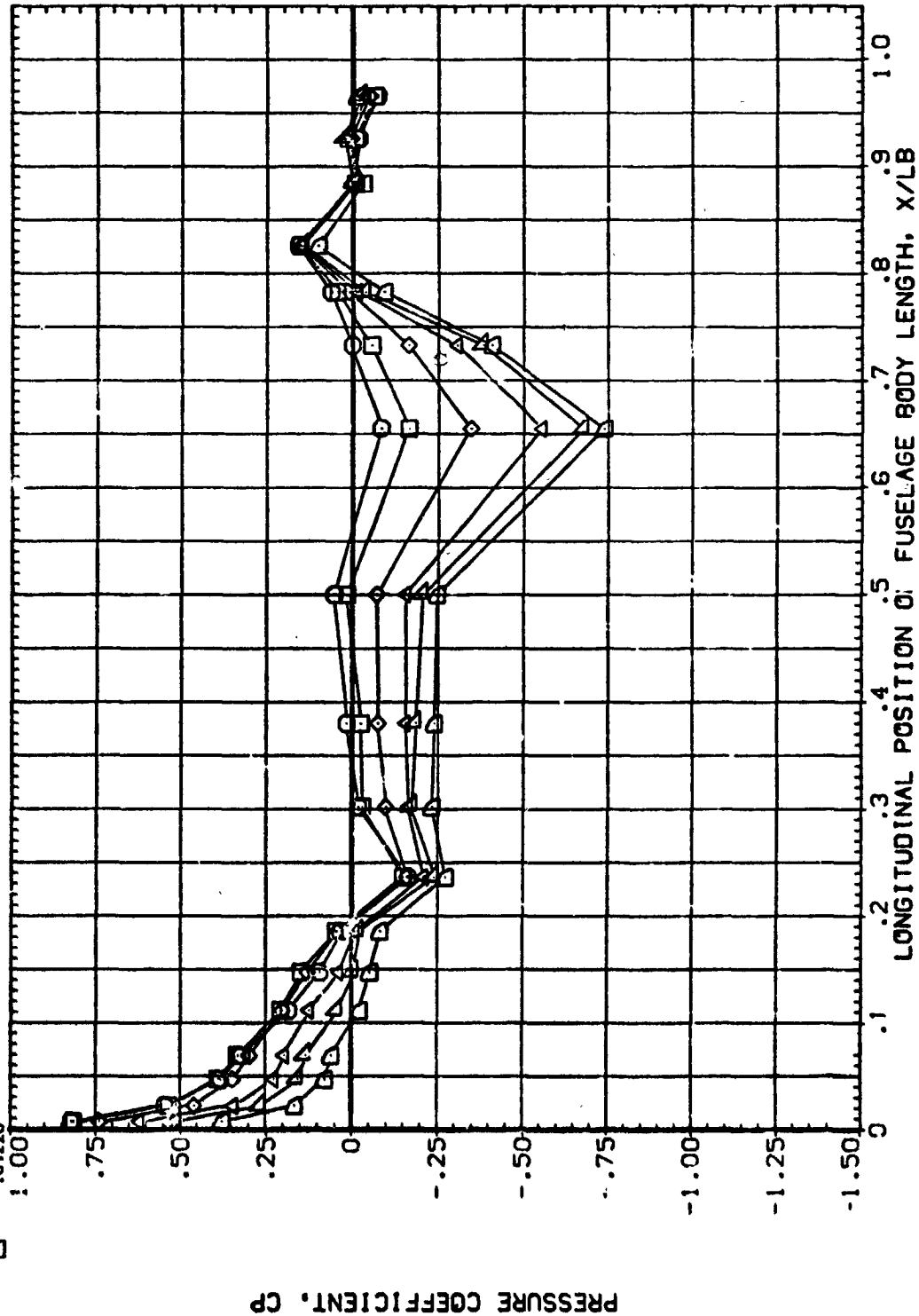


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB03)

SYMBOL
□◇△▽

ALPHA	PHI	BETA
-2.980	105.000	-10.060
.020		
5.020		
10.090		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	.000	RUDDER
BDFLAP	-14.250	BETA
		-10.000

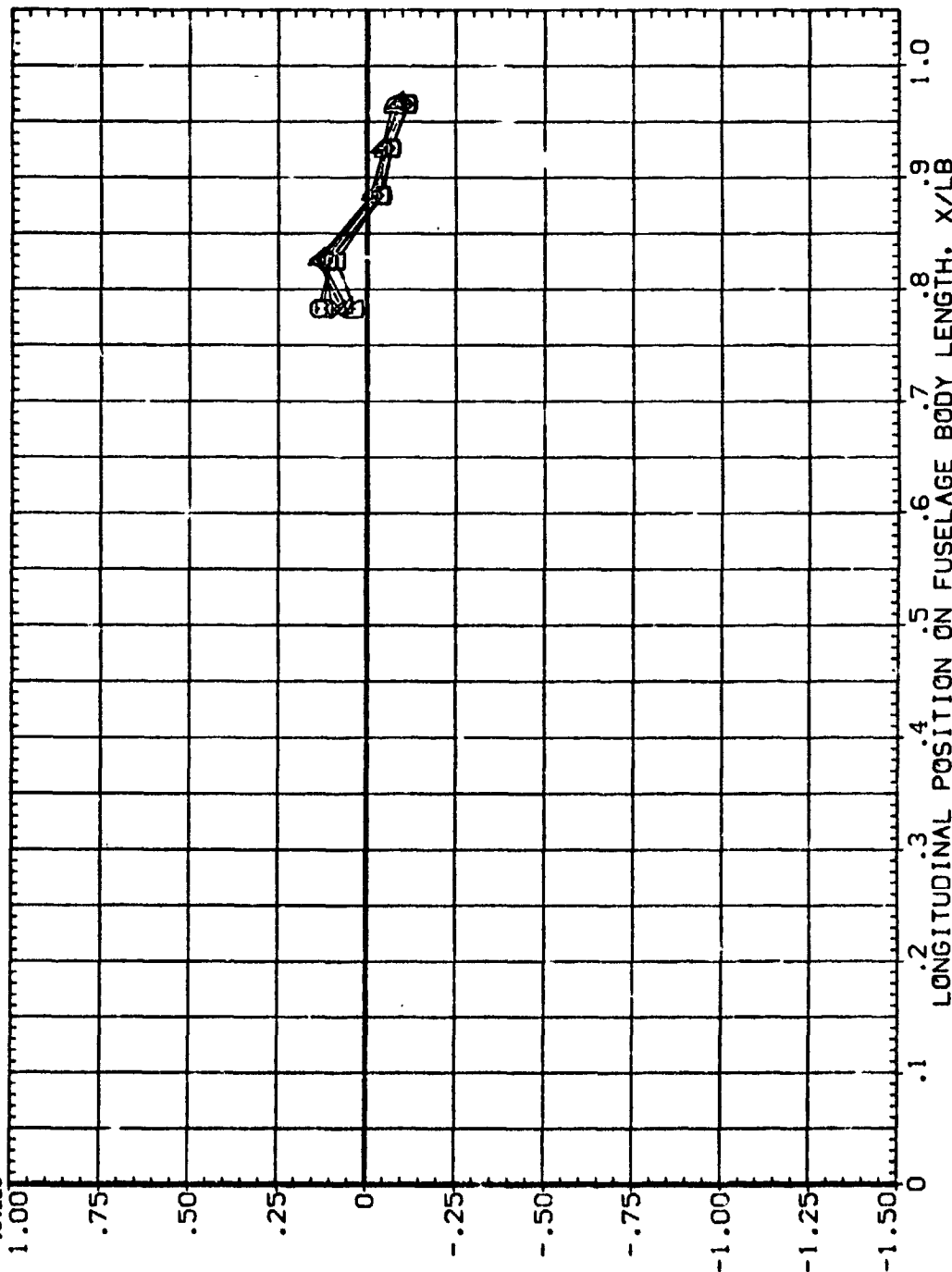


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

PHI BETA
120.000 -10.060

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

SYMBOL
◇ △ □ ○

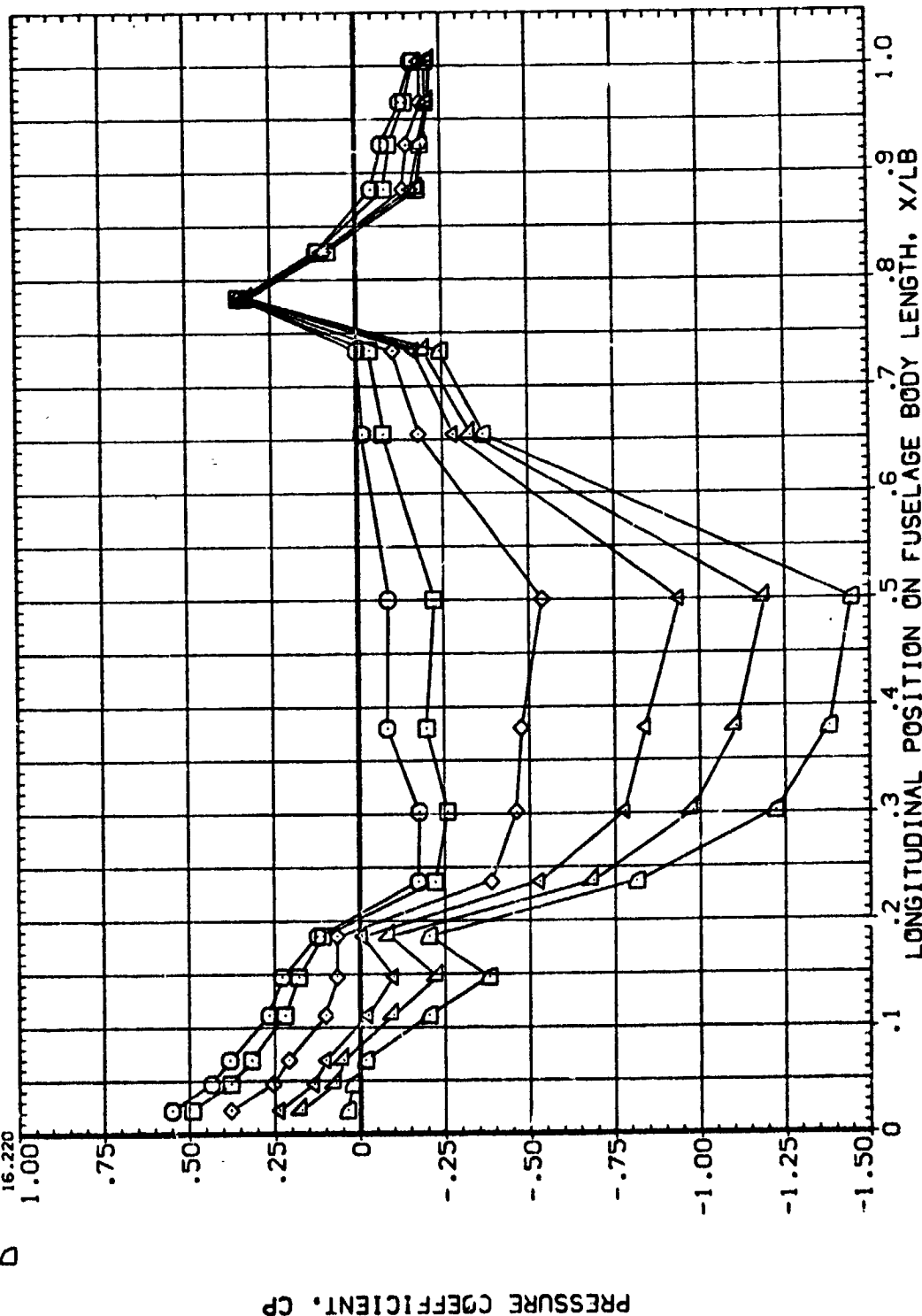


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(RD0803)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI BETA
135.000 -10.060

ALPHA
-2.980
.020
5.020
10.080
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

PRESSURE COEFFICIENT, CP

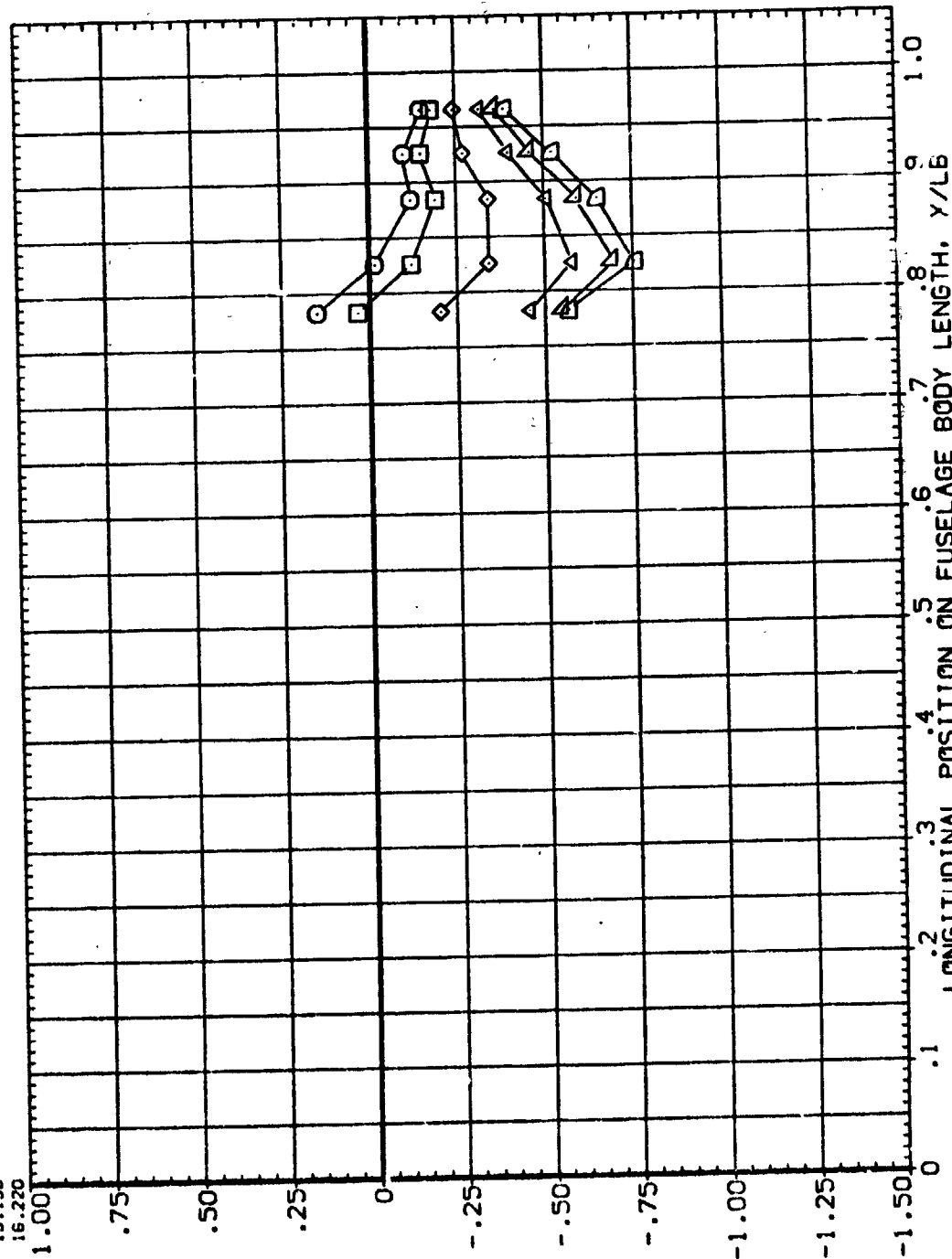


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	.000	.000
◇	-14.250	BETA
△		-10.000

ALPHA	PHI	BETA
-2.980	150.000	-10.060
.020		
5.020		
10.090		
13.190		
16.220		

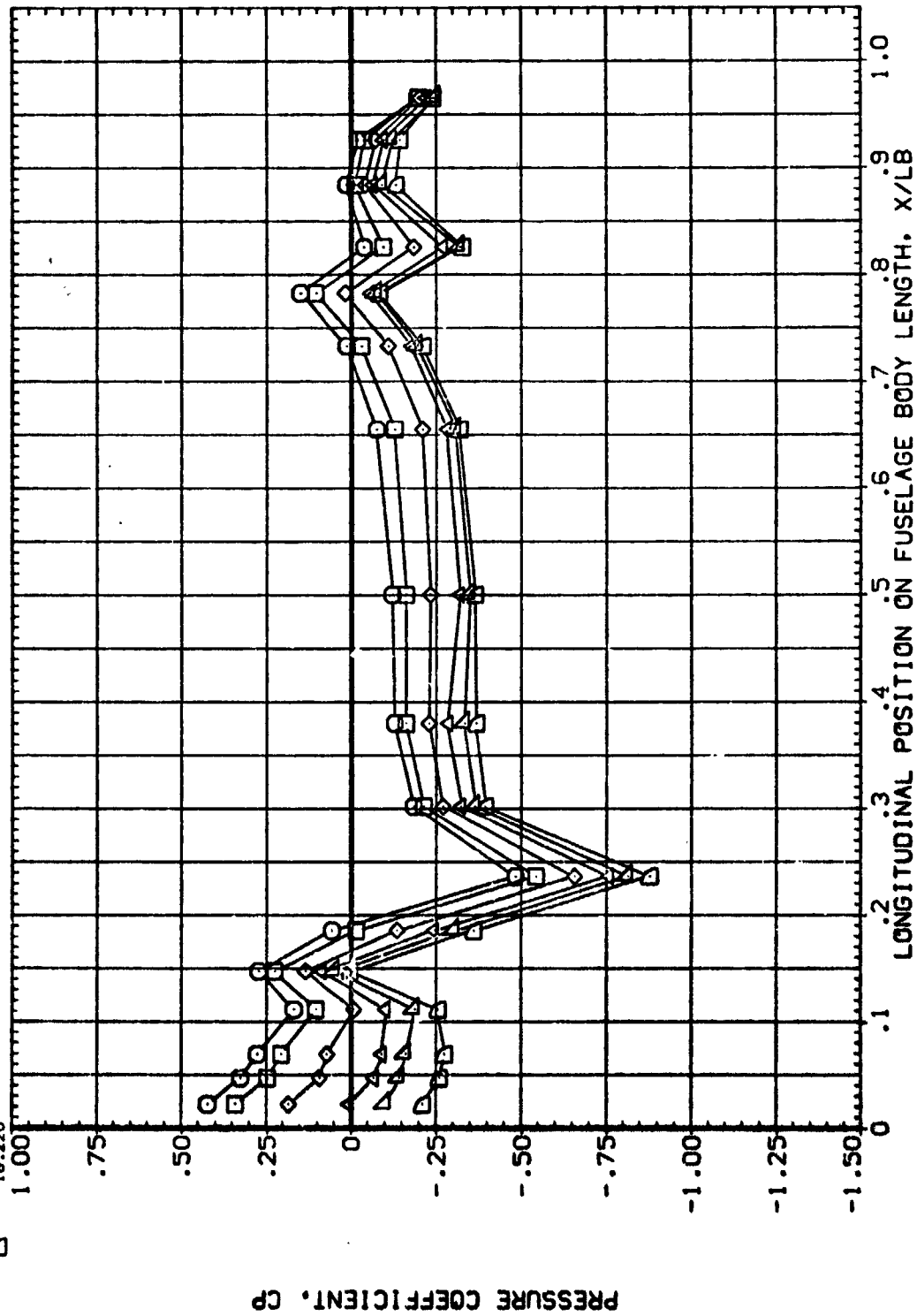


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(R00803)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
60FLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.900 165.000 -10.060
-0.000
5.000
10.000
15.000
18.220

SYMBOL
□ ◇ ○ △ ▽

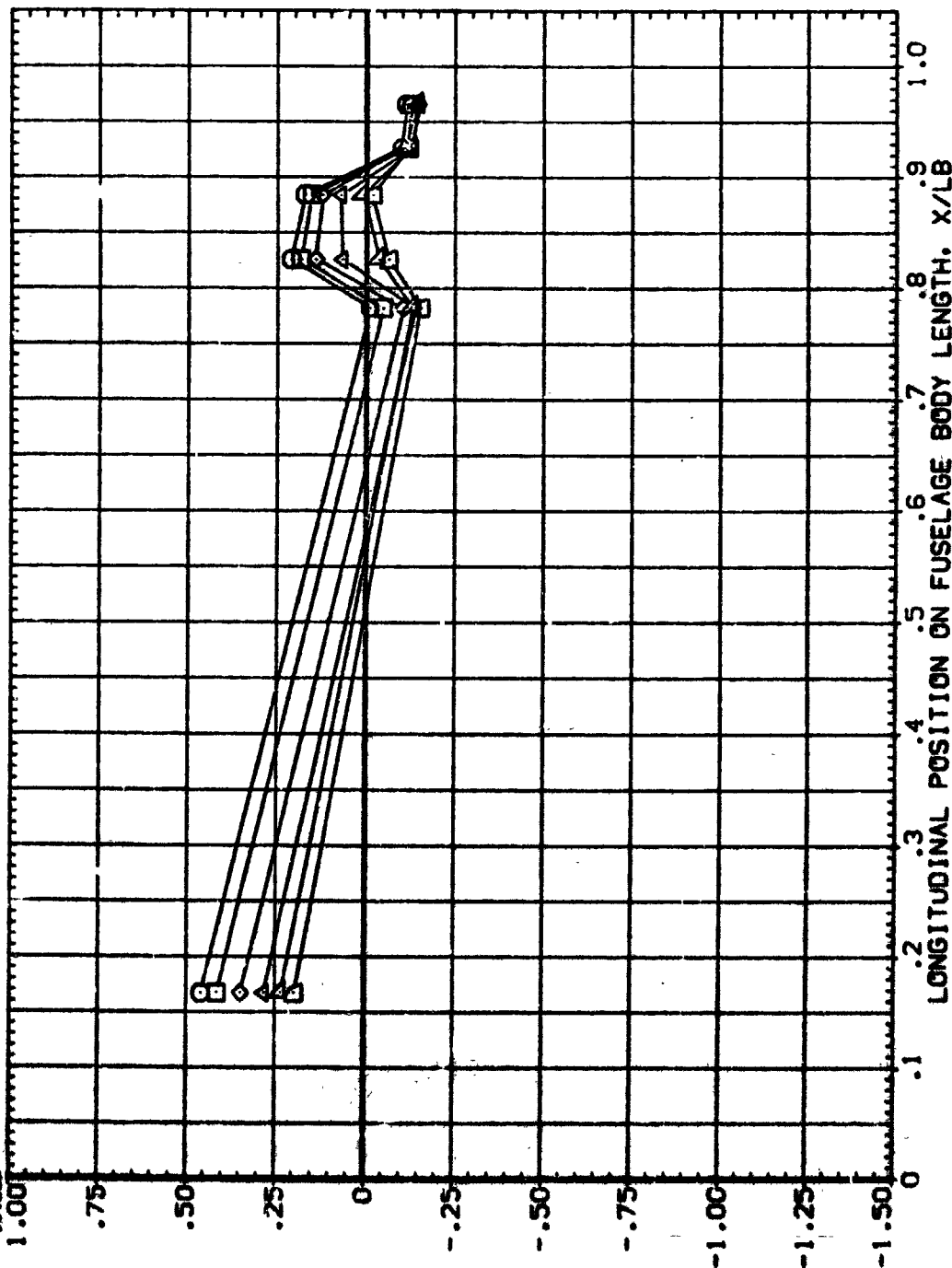


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE (R00803)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA 0.000 BETA -10.000
0.000 100.000
5.000
10.000
15.000
20.000

000440

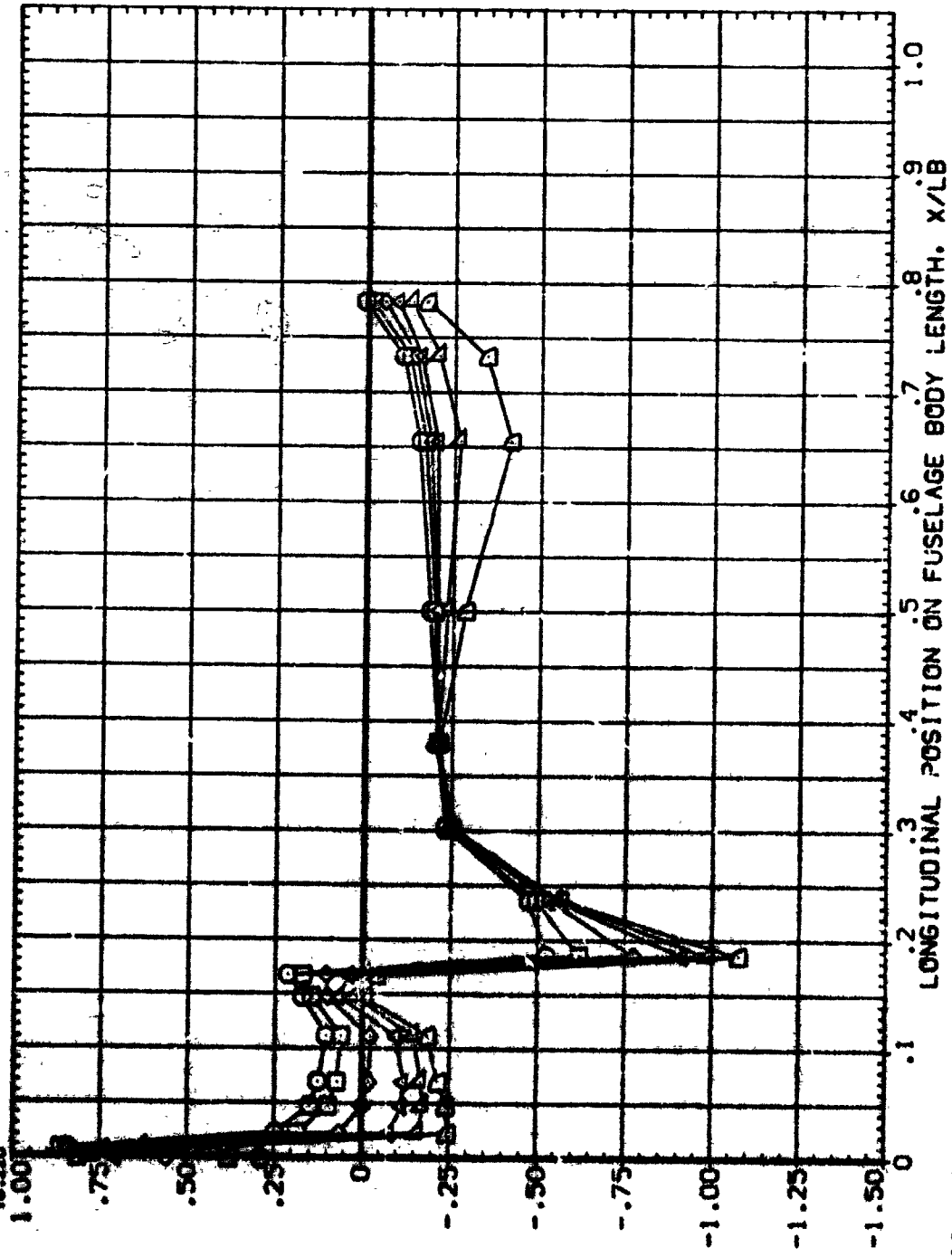


FIG. 10 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

(continued)

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ALPHA	PMI	BETA
-2.950	.000	-.010

PARAMETRIC VALUES	
ELEVGN	.000 RUDDER
BOFLAP	-14.250 BETA

0000

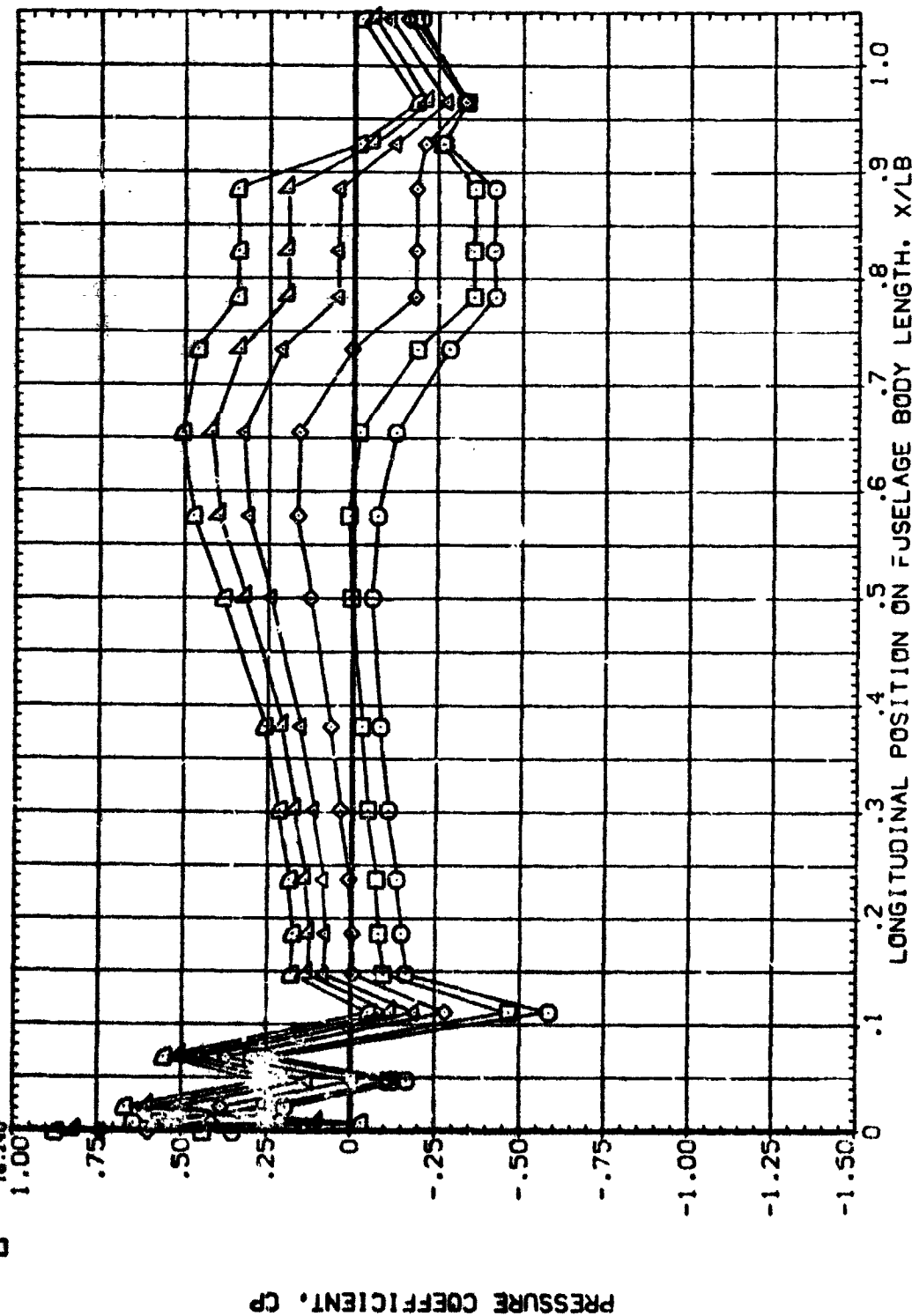


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q804)

SYMBOL	ALPHA	PHI	ETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.950	20.000	-.010	.000	.000	.000
◇	.050			.000		
△	5.030			-14.250		
▽	10.100					
▽	13.220					
▽	16.240					

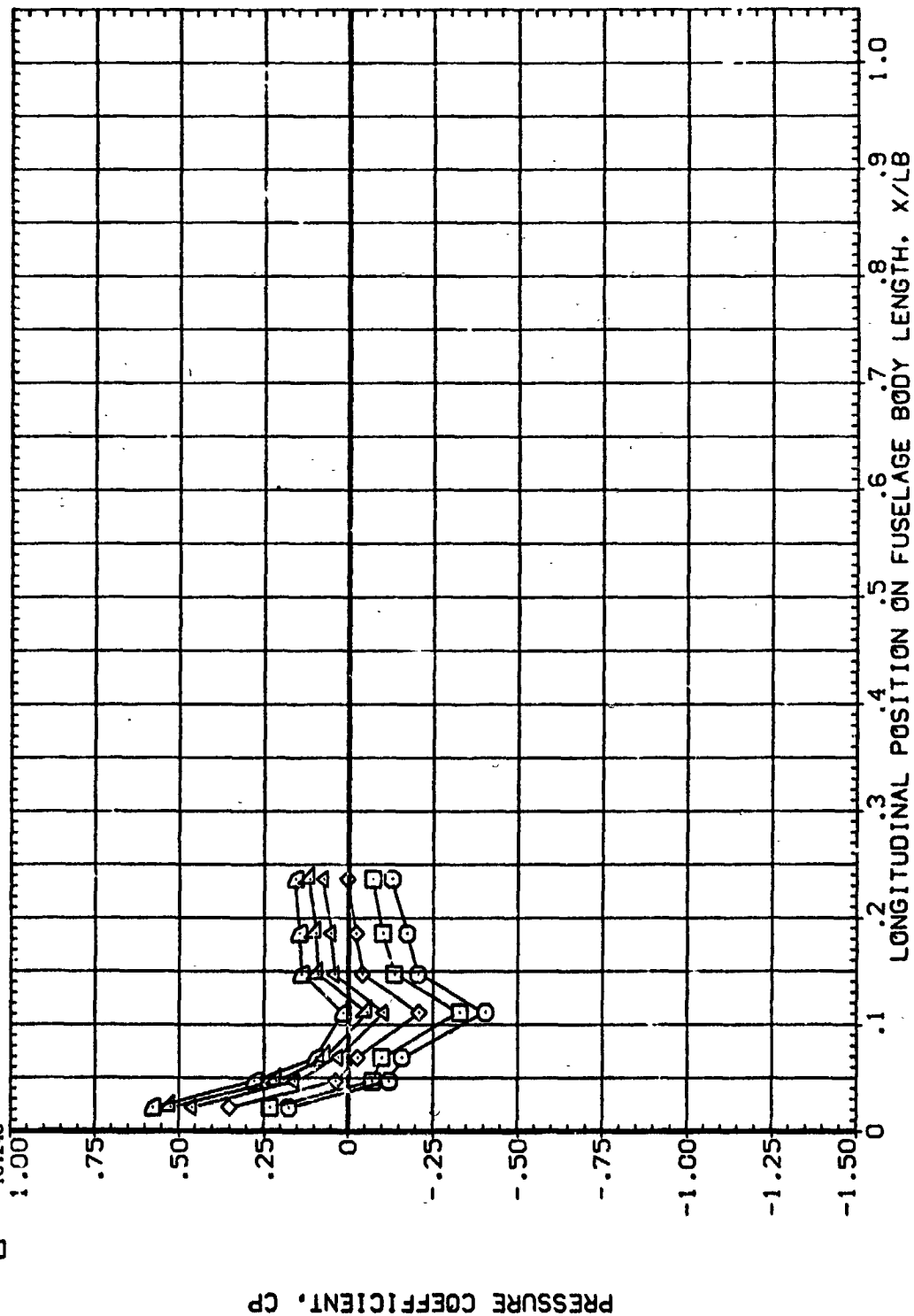


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B04)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

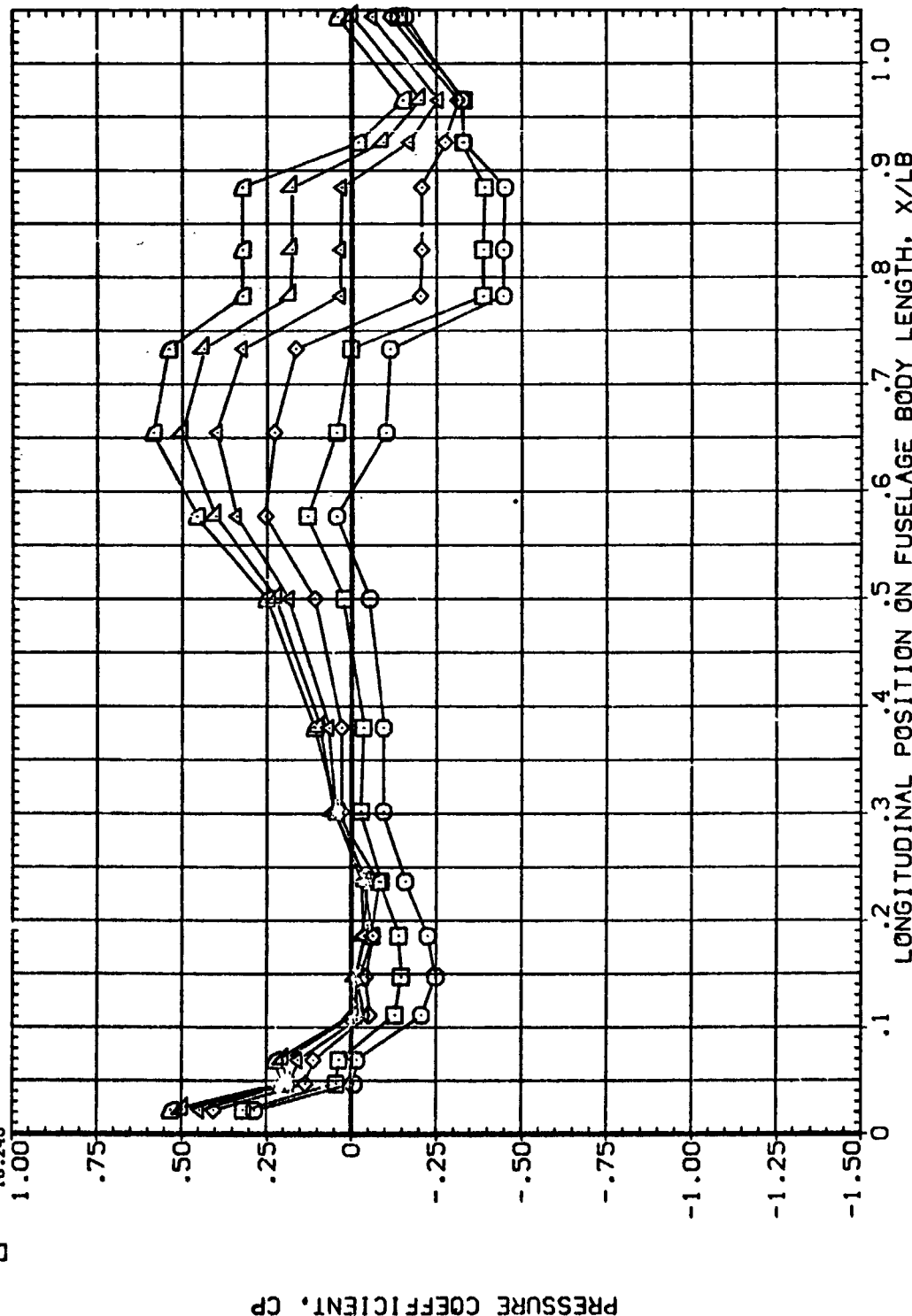


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

SYMBOL	PARAMETRIC VALUES	
	ELEVON BDFLAP	RUDDER BE ^{TA}
◇	55.000	.000
▽	-2.950	.000
△	.050	.000
◇	5.030	.000
▽	10.100	.000
△	13.220	.000
◇	16.240	.000

ALPHA PHI BETA

-2.950 55.000 -.010

.050

5.030

10.100

13.220

16.240

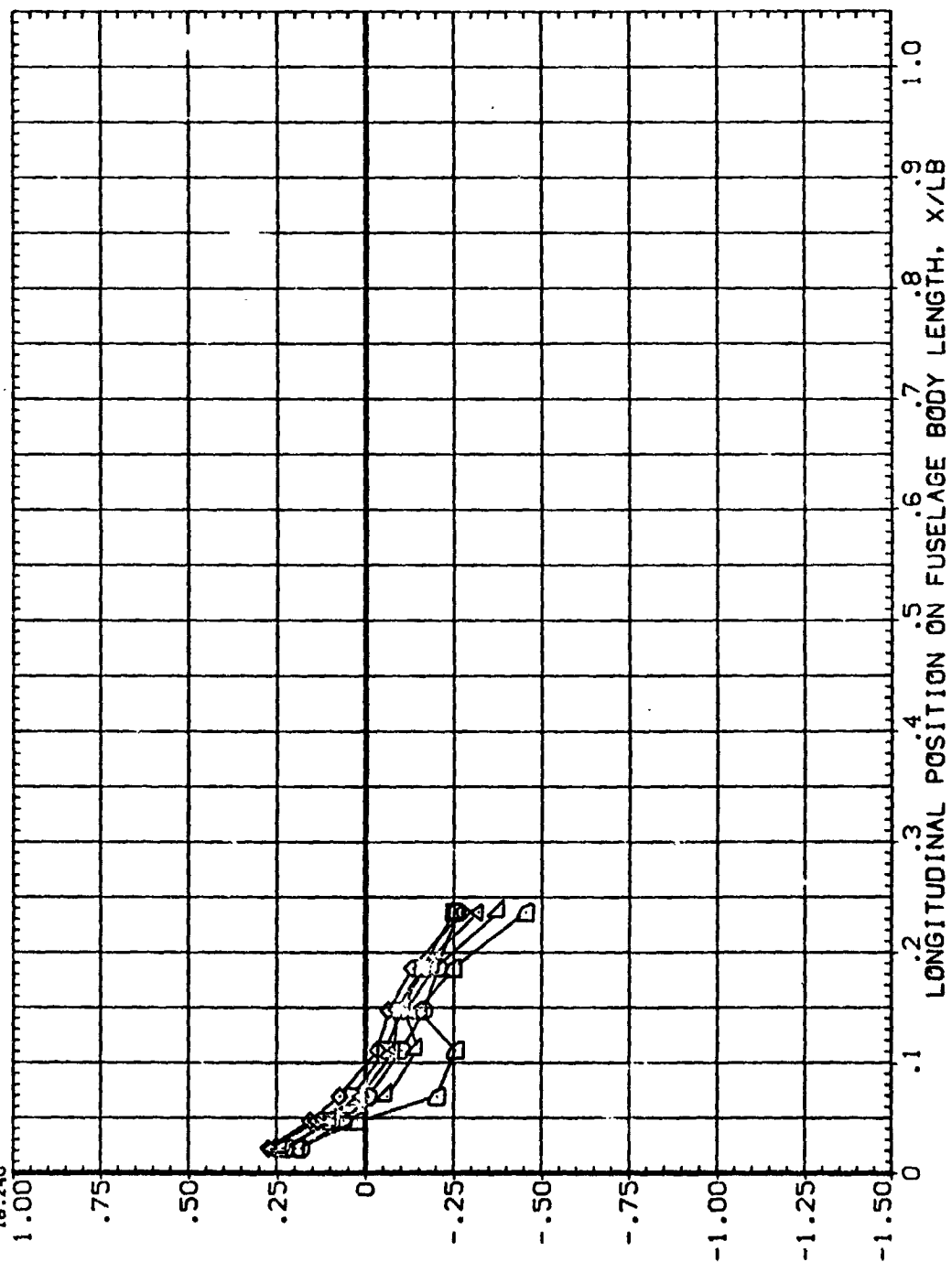


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00804)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA PHI BETA
-7.950 70.000 -.010
-.050
5.030
10.100
13.220
16.240

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDELAP -14.250 BETA .000

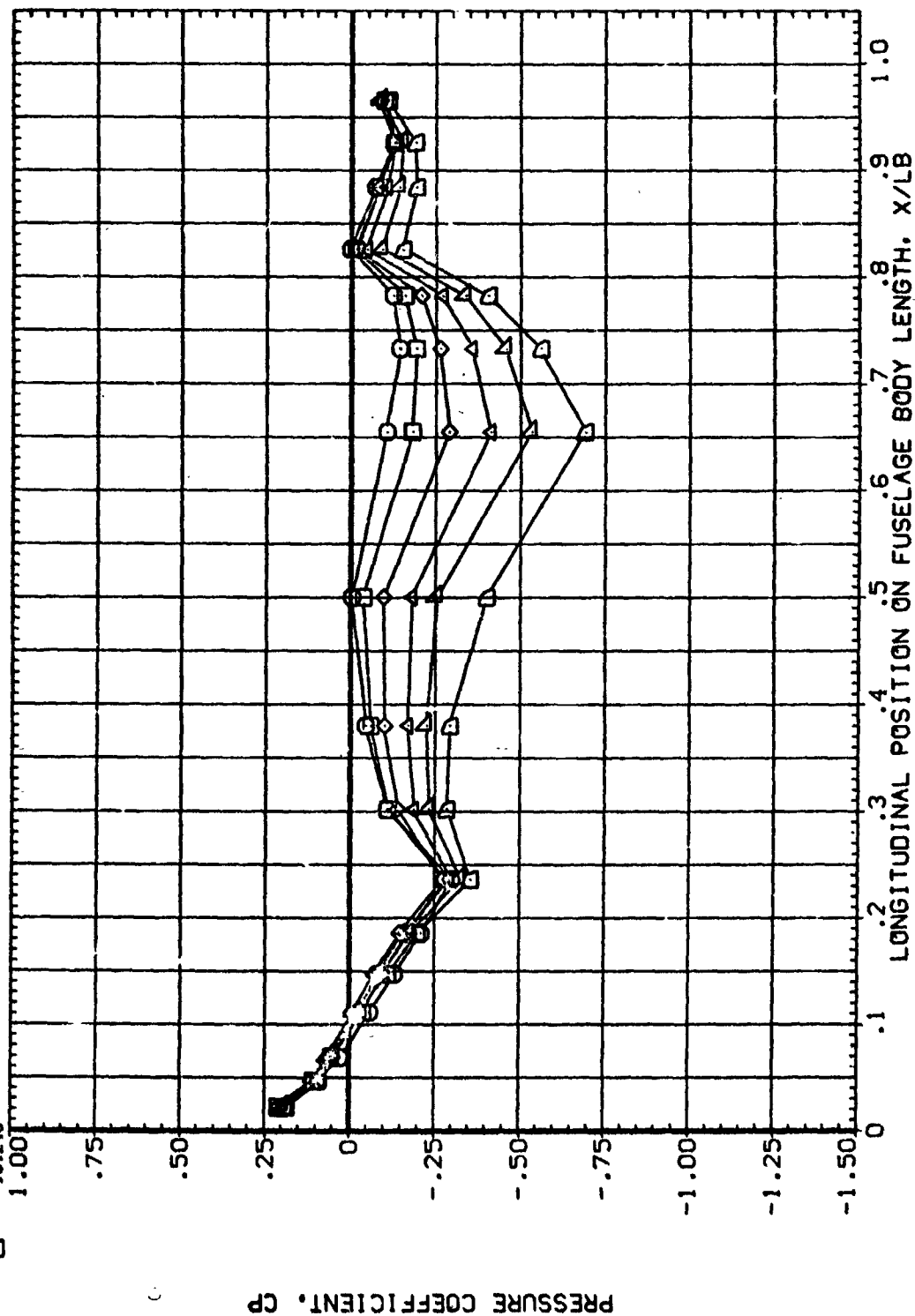


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00804)

A_PHA	PHI	BETA
-2.950	90.000	-0.010

PARAMETRIC VALUES		
ELEVON	.030	RUDDER .000
BDFLAP	-14.250	BETA .000

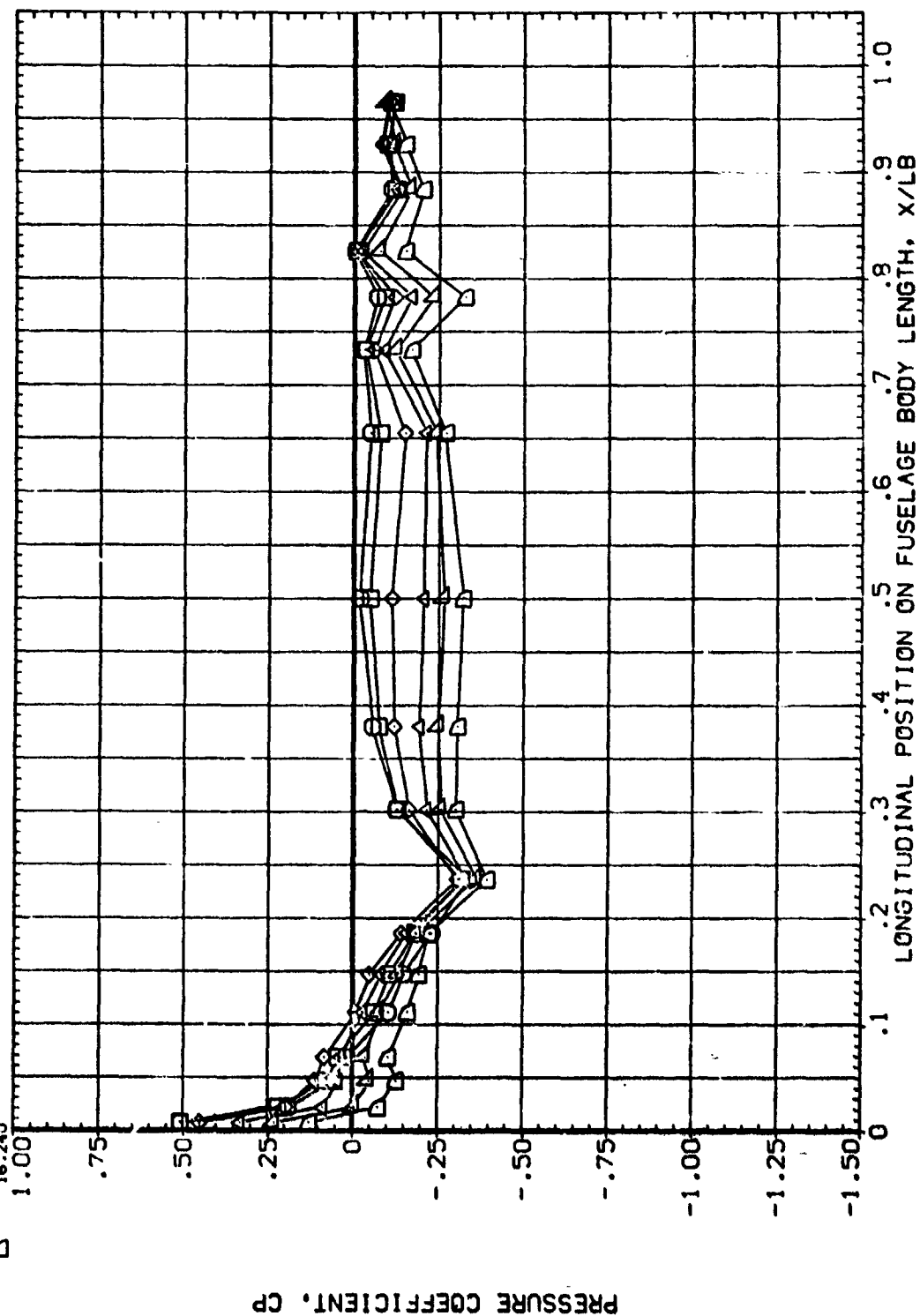


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(R00804)

000000

ALPHA	PHI	BETA
-2.950	105.000	-.010
-.050		
5.030		
10.100		
13.220		
16.240		

ELEVON	PARA-METRIC VALUES
60FLAP	.000 RUDDER
	-14.250 BETA

88

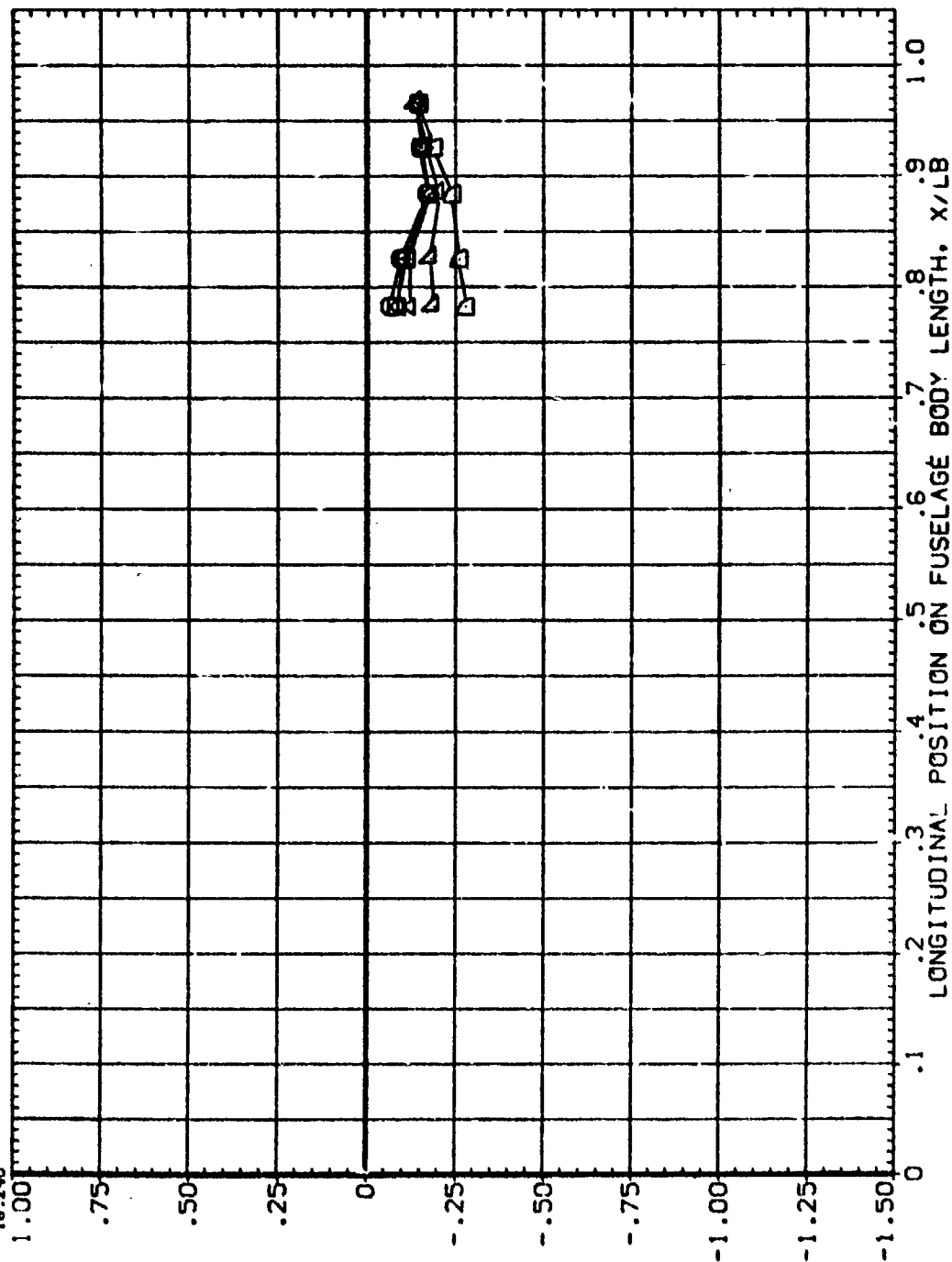


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0B04)

PARAMETRIC VALUES	
ELEVON	RUDDER
.000	.000
BDFLAP	BETA
-14.250	.000

ALPHA	PHI	BETA
-2.950	120.000	-.010
.050		
5.030		
10.100		
13.220		
16.240		

SYMBOL
 ▽
 △
 ◇
 □

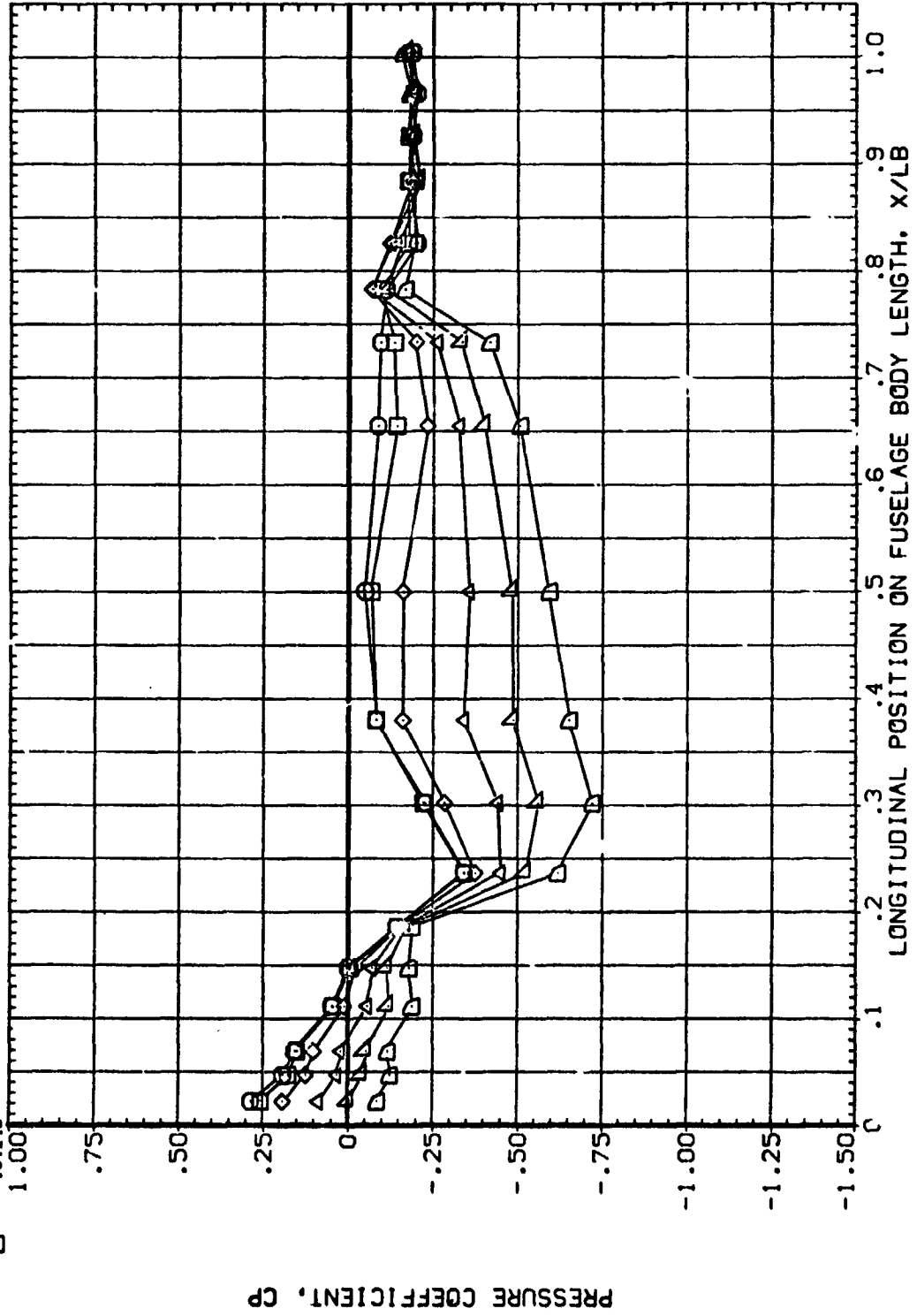


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE (R00B04)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 135.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▿

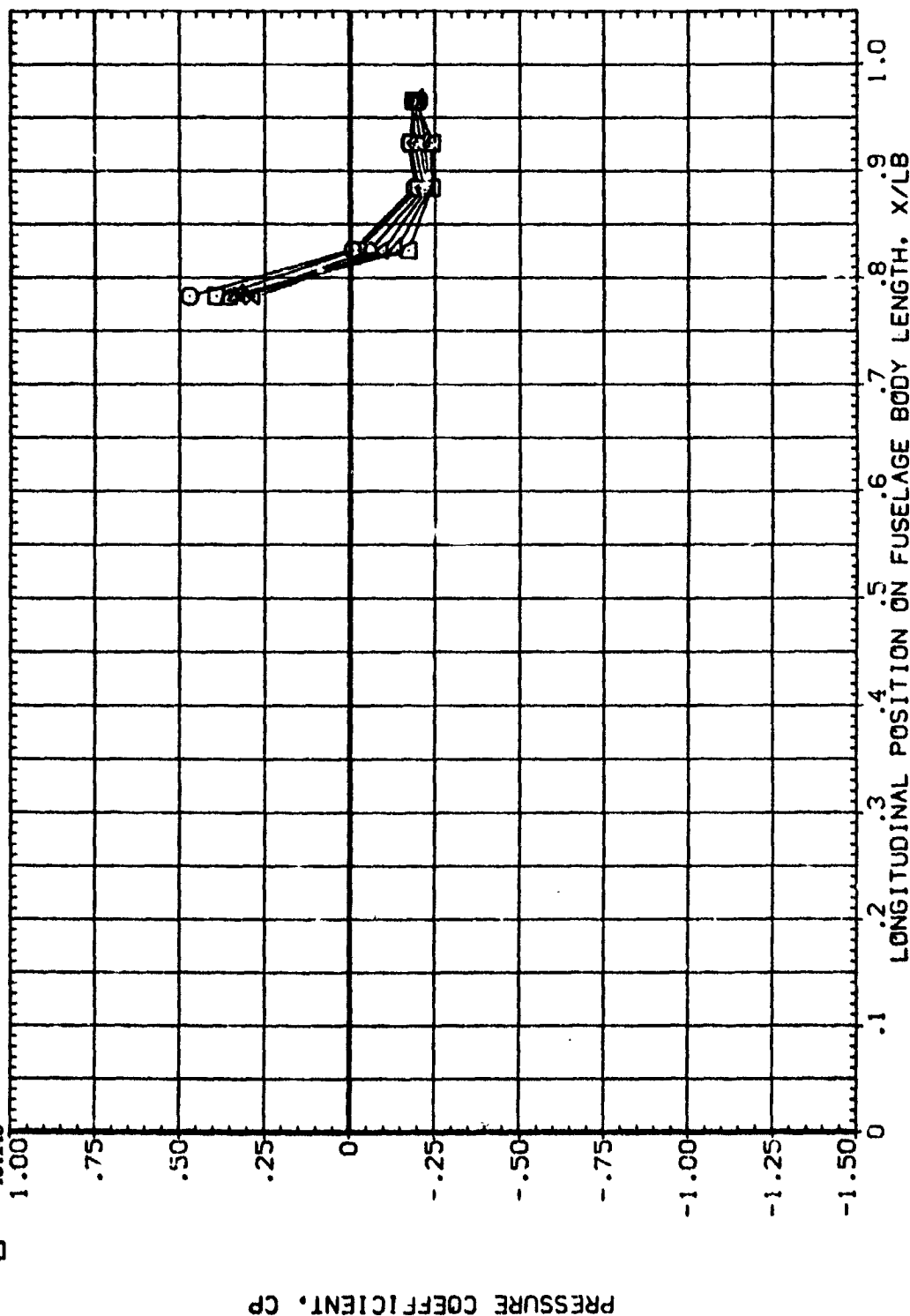


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W11E526V8R5X9 LEFT FUSELAGE

(RDQB04)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES	RUDDER	BETA
○	-2.950	150.000	-.010	.000			.000	.000
◇	.050			.000				
△	5.030			-14.250				
□	10.100							
	13.220							
	16.240							

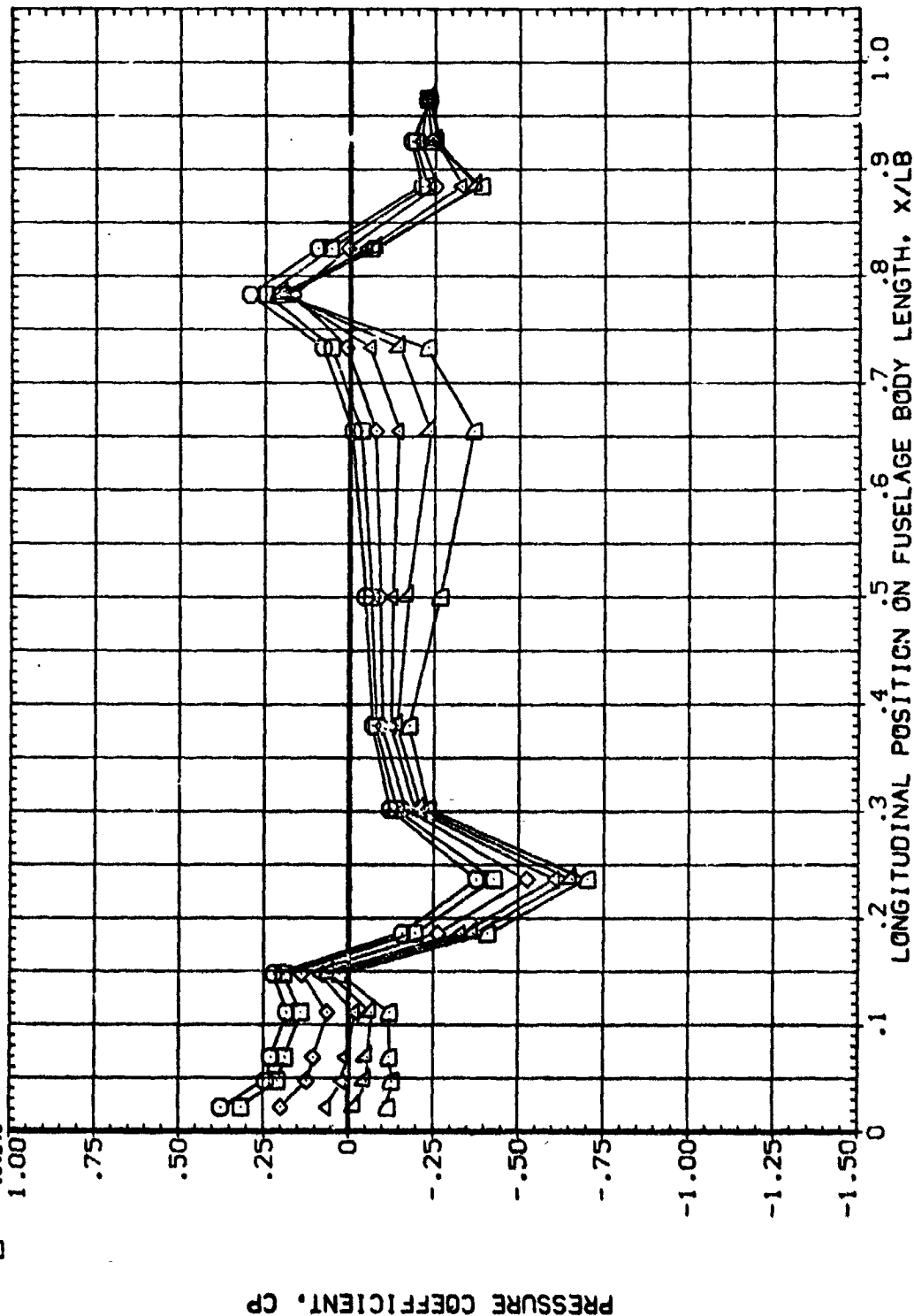


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G1SM7F8W116E26V8RSX9 LEFT FUSELAGE (R0GB04)

SYMBOL
 □ ◆ ◇ ○

ALPHA
 -2.550
 .050
 5.030
 10.100
 13.220
 16.240

BETA
 -.010

ELEVON
 BDFLAP

PARAMETRIC VALUES
 .000 RUDDER
 -14.250 BETA

.000
 .000

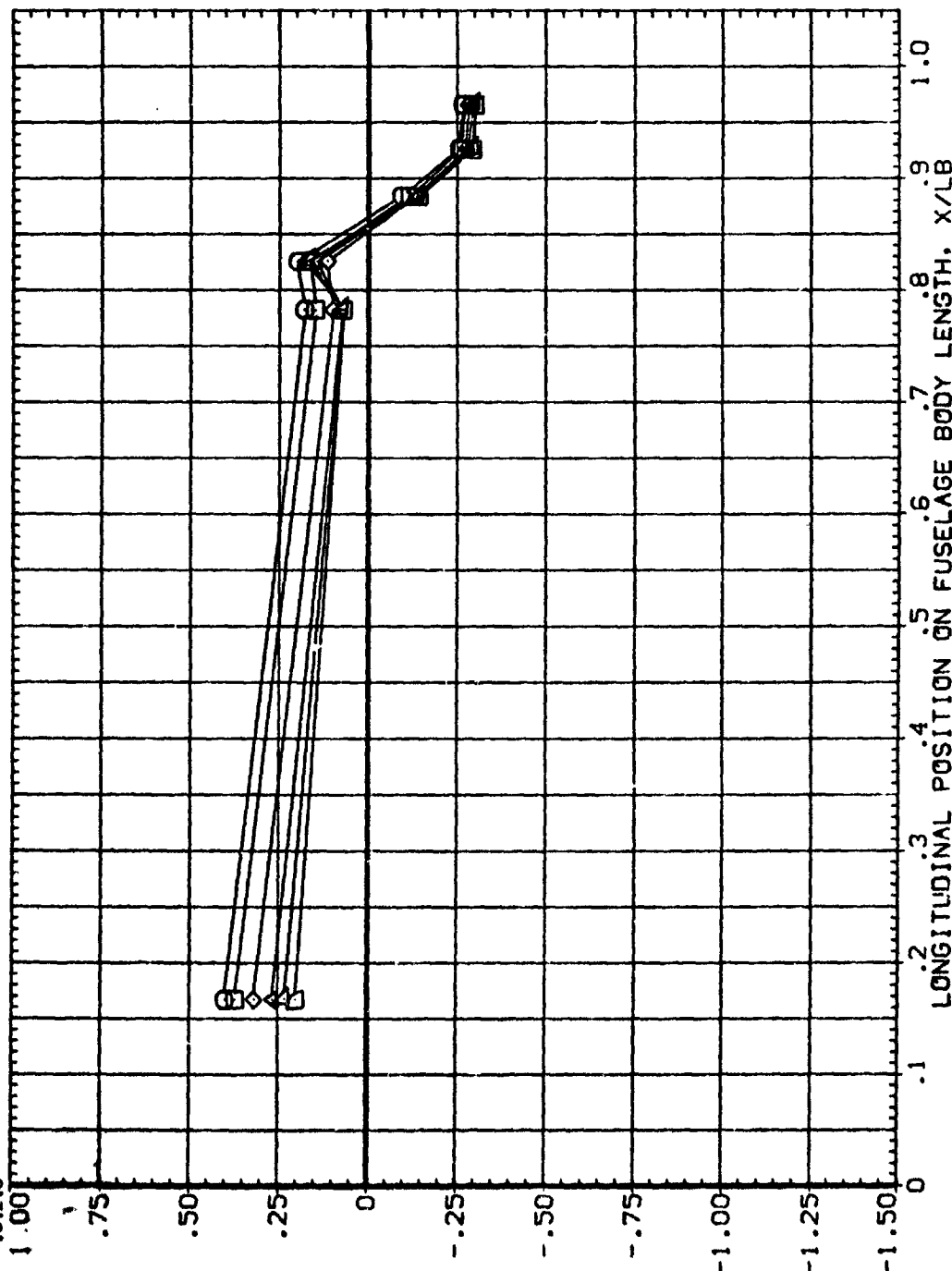


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES	RUDDER	BETA
□	-2.950	180.000	-.010			.000	.000	.000
◇	.050					.000		
△	5.030					-14.250		
▽	10.100							
▽	13.220							
▽	16.240							

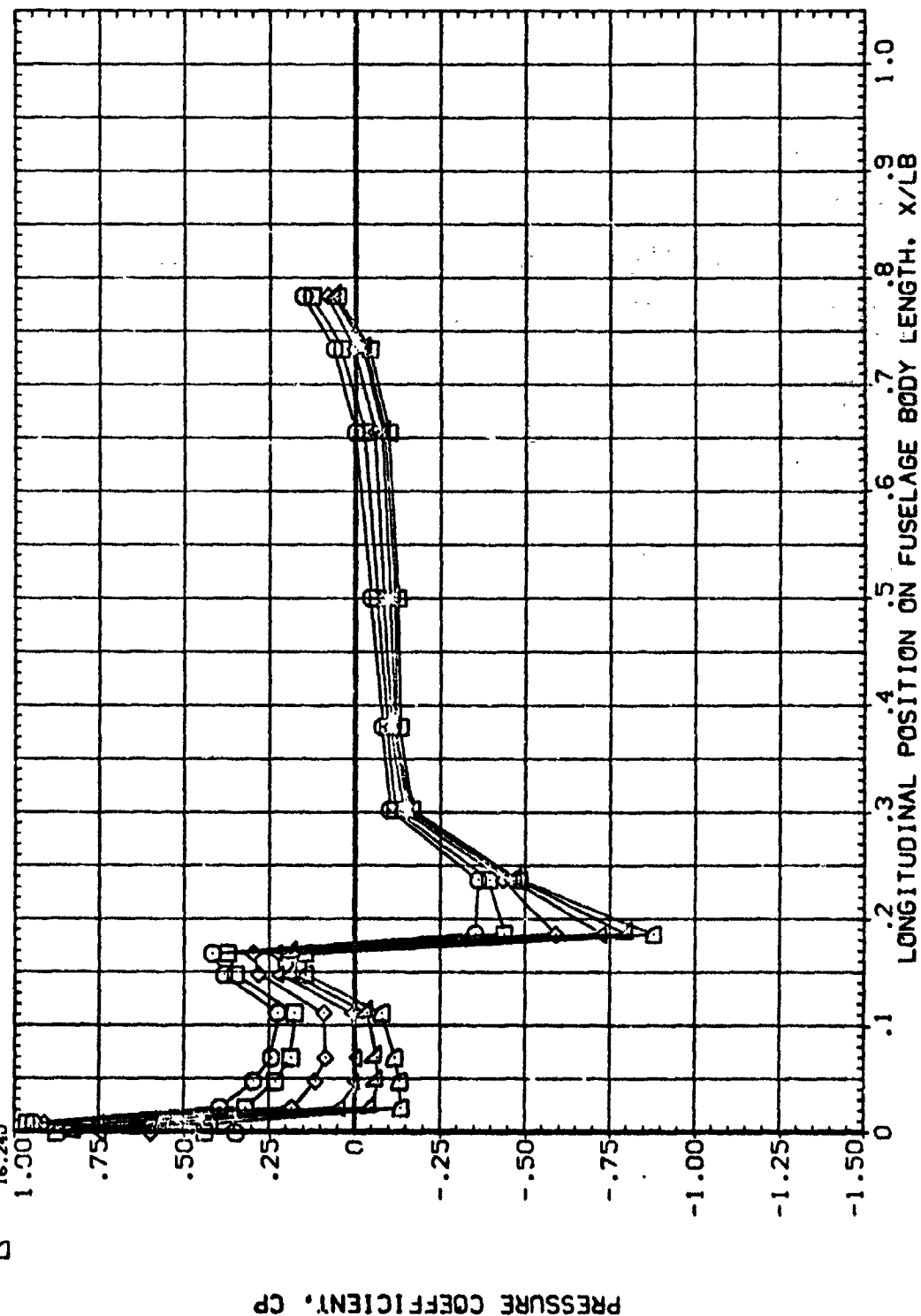


FIG. 11 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(R00805)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 .000 10.050
-.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

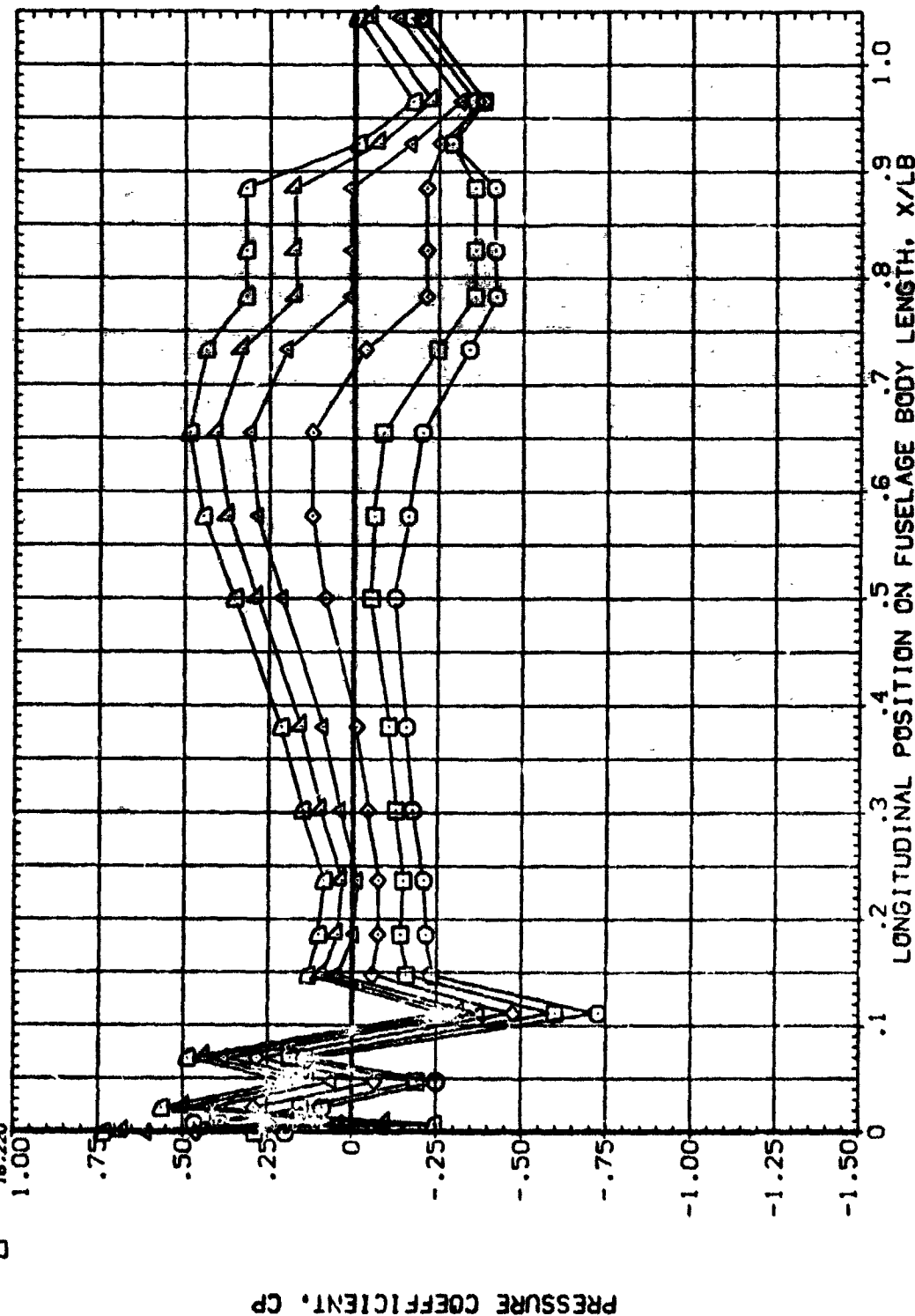


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB05)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.970	20.000	10.050	.000	.000	10.000
◇	-.030			-14.250	BETA	
△	5.020					
▽	10.120					
○	13.190					
●	16.220					

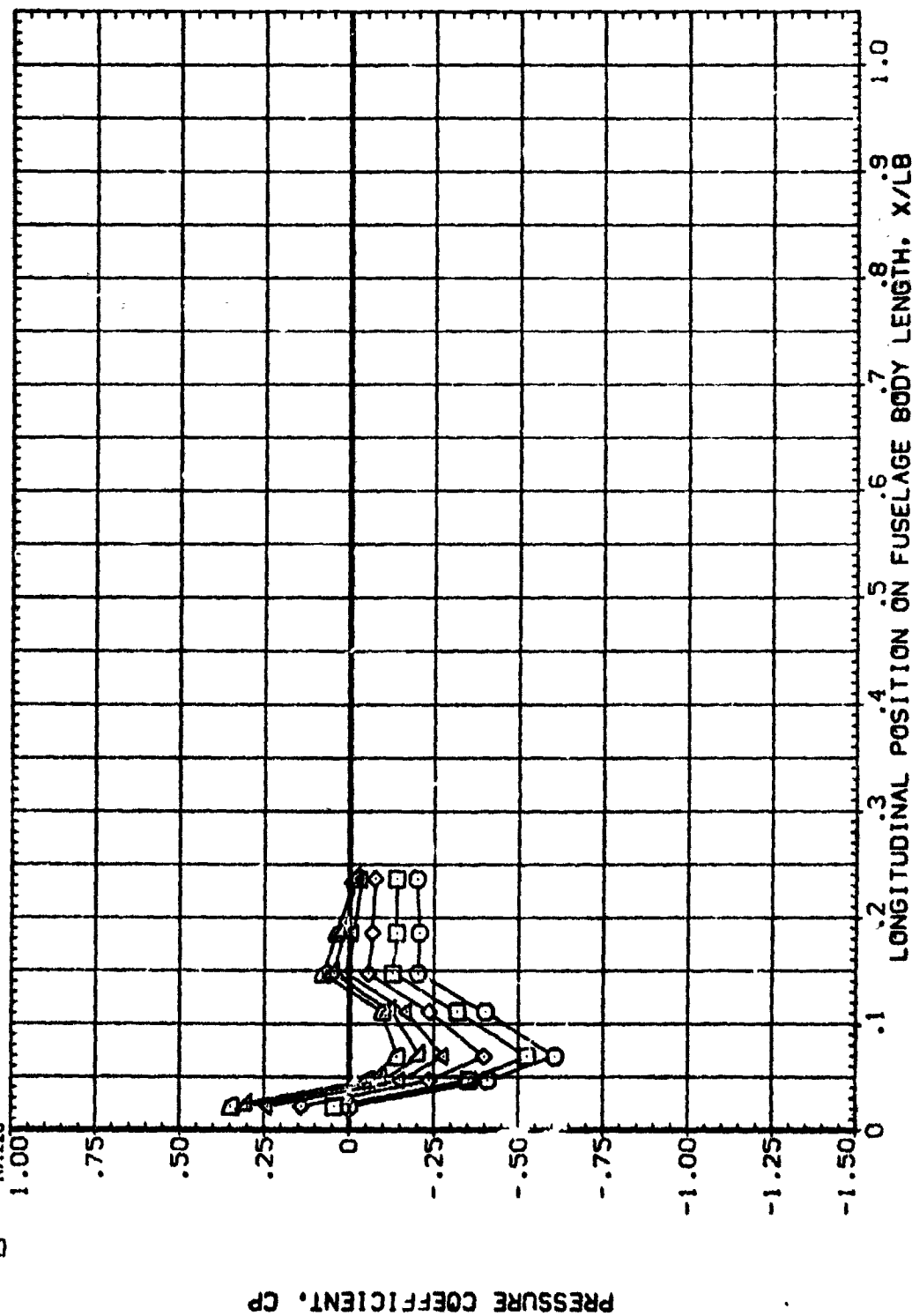


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE (R00805)

SYMBOL	PARAMETRIC VALUES	
	ELEVON BODY LAP	RUDDER BETA
□	.000	.000
◇	-14.230	10.000
△		
▽		

ALPHA	FMI	BETA
-2.970	40.000	10.000
.030		
5.020		
10.120		
13.190		
16.220		

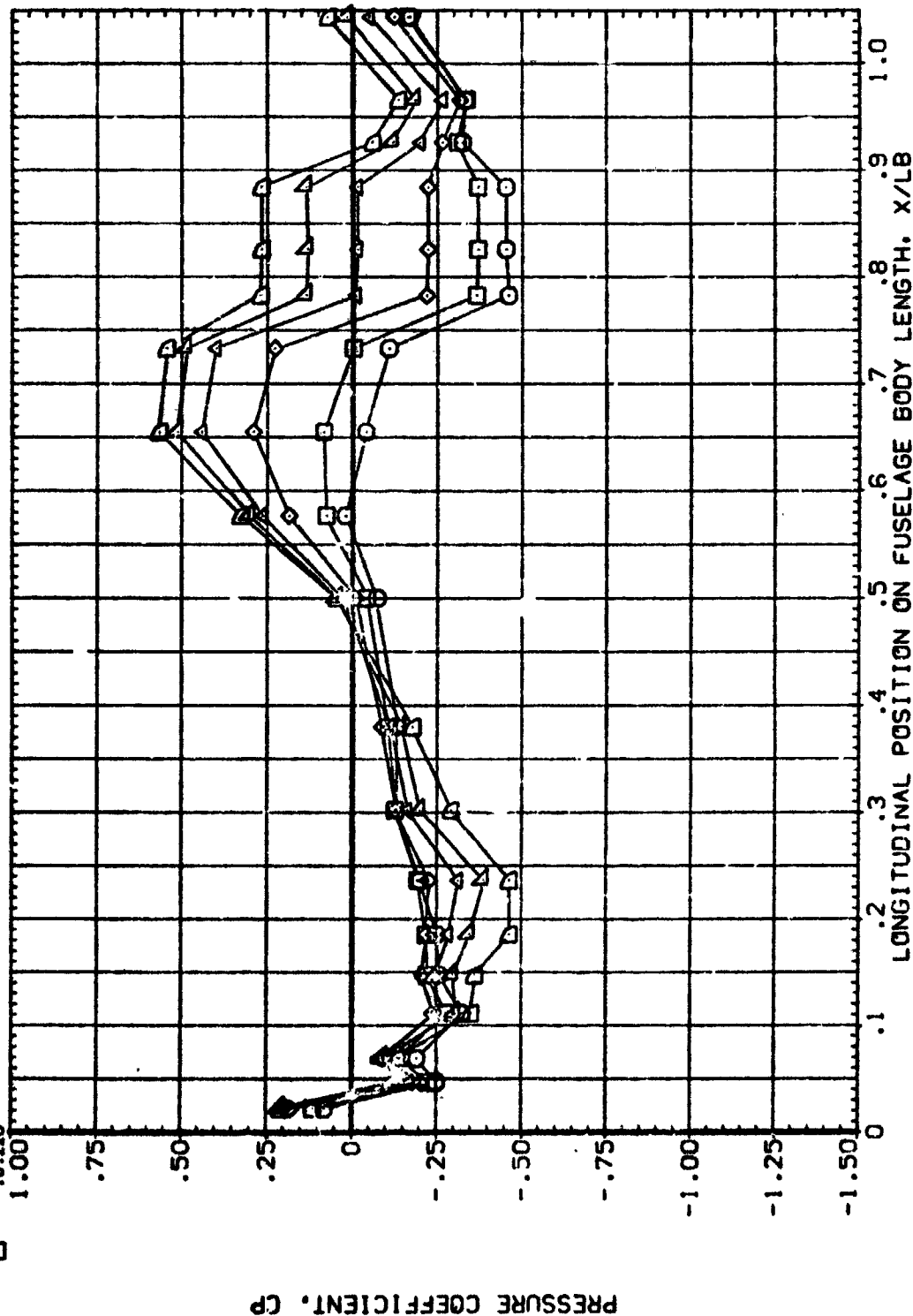


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0805)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 55.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ▽ ▴ ▾

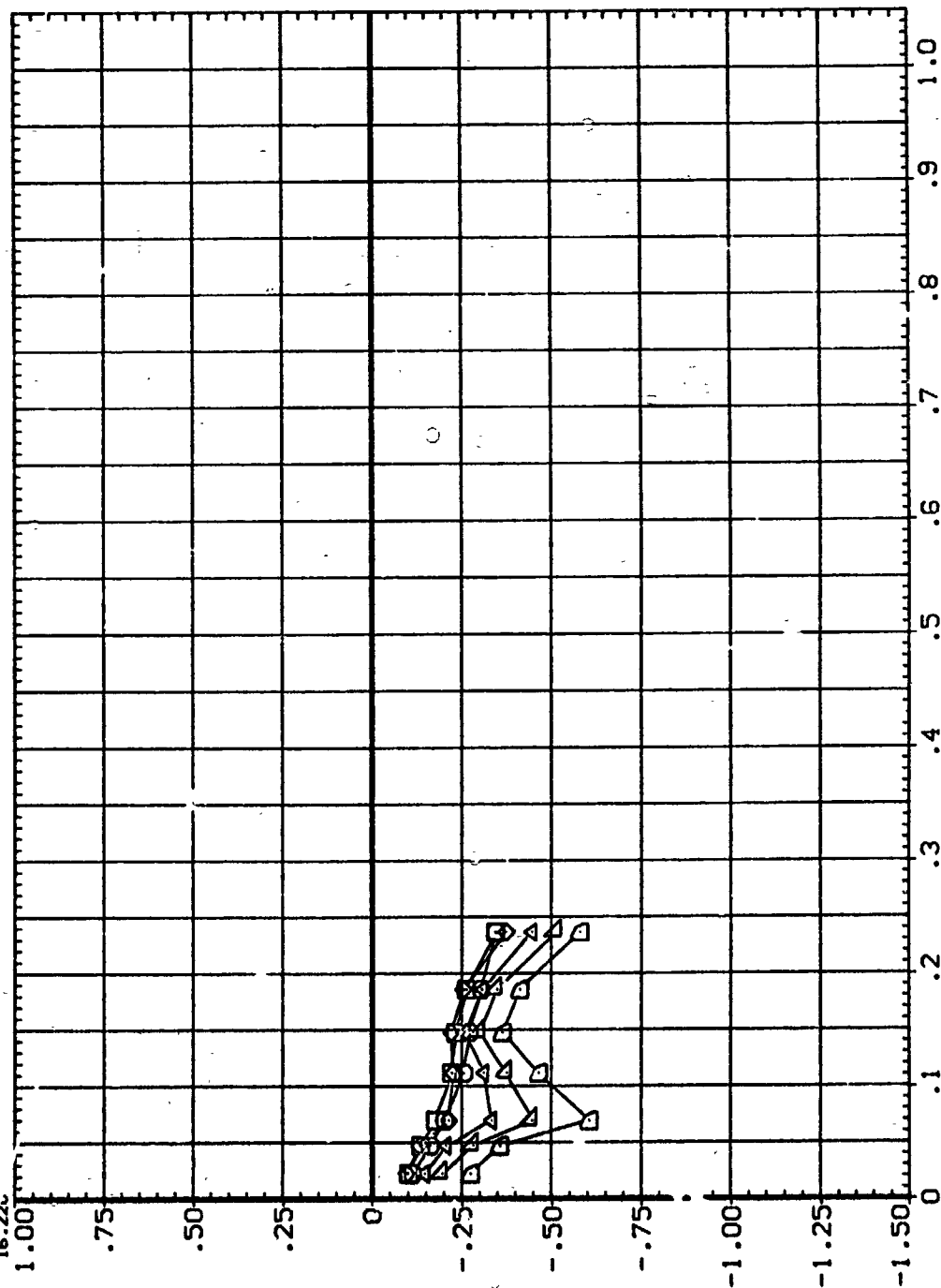


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

(R00805)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL
 □
 ◇
 △
 ○

ALPHA
 -2.970
 .030
 5.020
 10.120
 13.190
 16.220

PHI
 70.000
 10.050

BETA
 10.050

PARAMETRIC VALUES
 ELEVON
 BD FLAP
 RUDDER
 BETA

.000
 -14.25C
 10.000

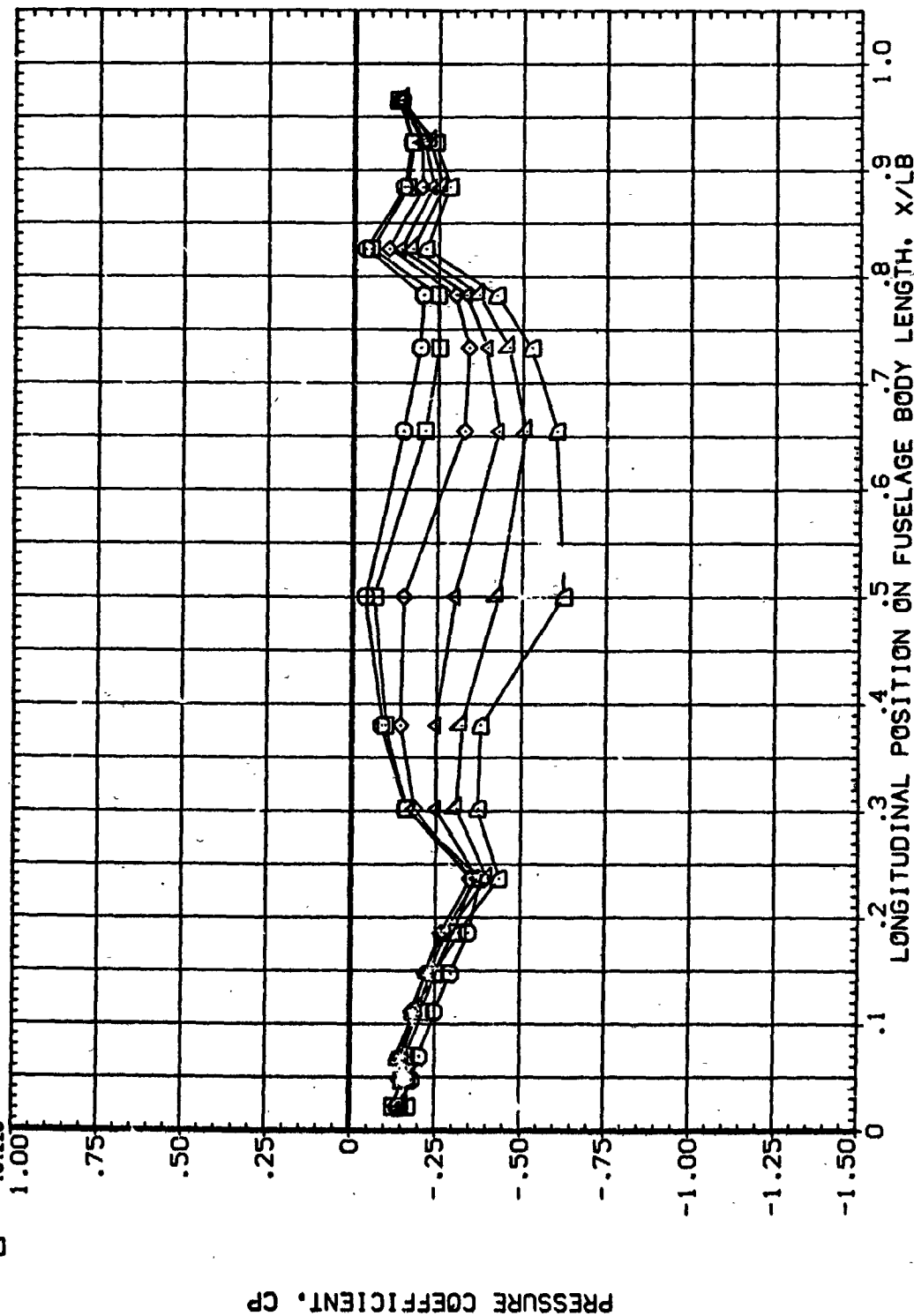


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00805)

SYMBOL	ALPHA		PHI		BETA		PARAMETRIC VALUES			
	-2.970	.030	90.000	10.050			ELEVON	.000	RUDDER	.000
□	5.020	10.120					BDFLAP	-14.250	BETA	10.000
◇	13.190									
△	16.220									

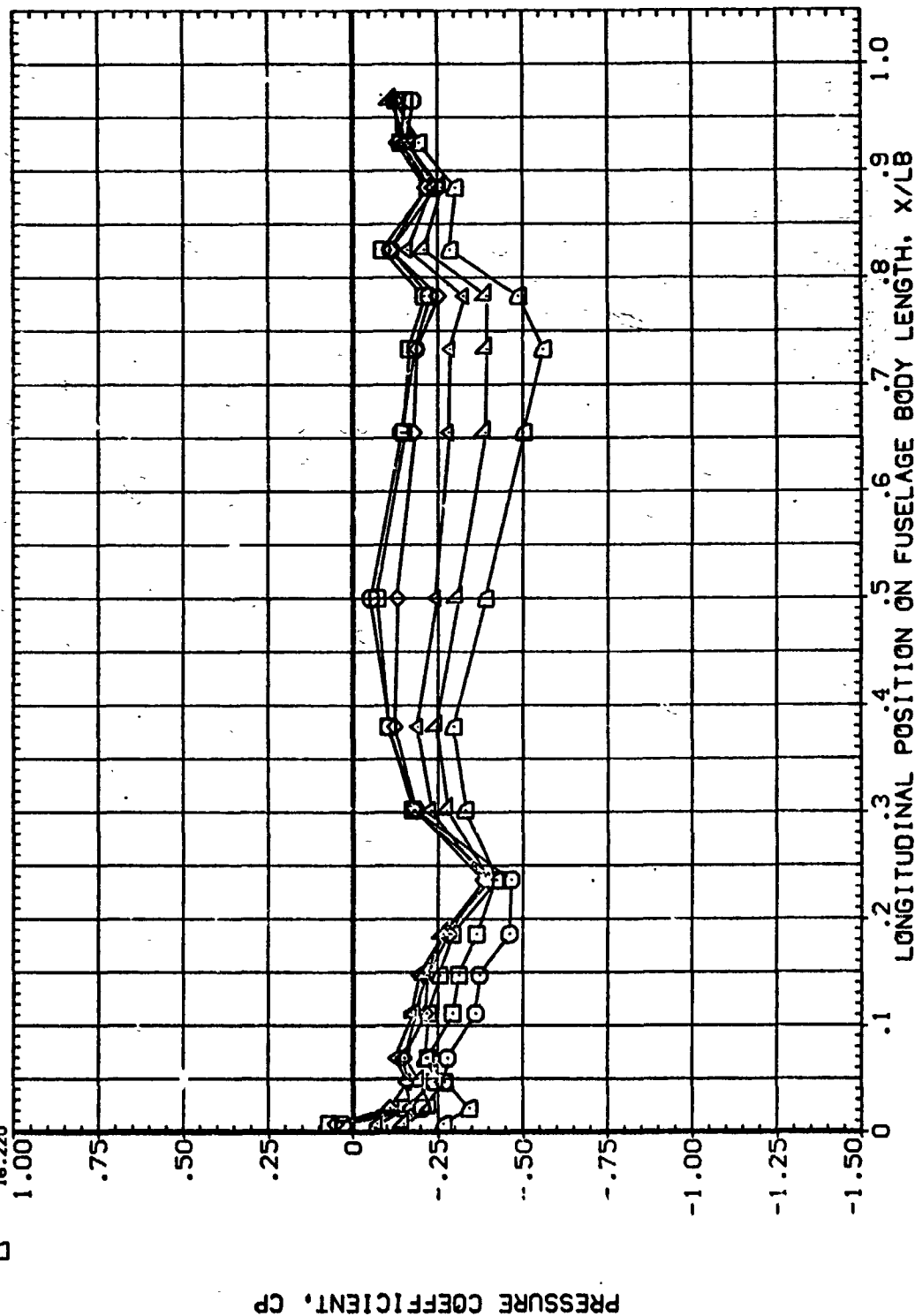


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0805)

SYMBOL
□◇△▽

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PARAMETRIC VALUES
ELEVON
BOFLAP
-14.250
RUDDER
BETA
10.000

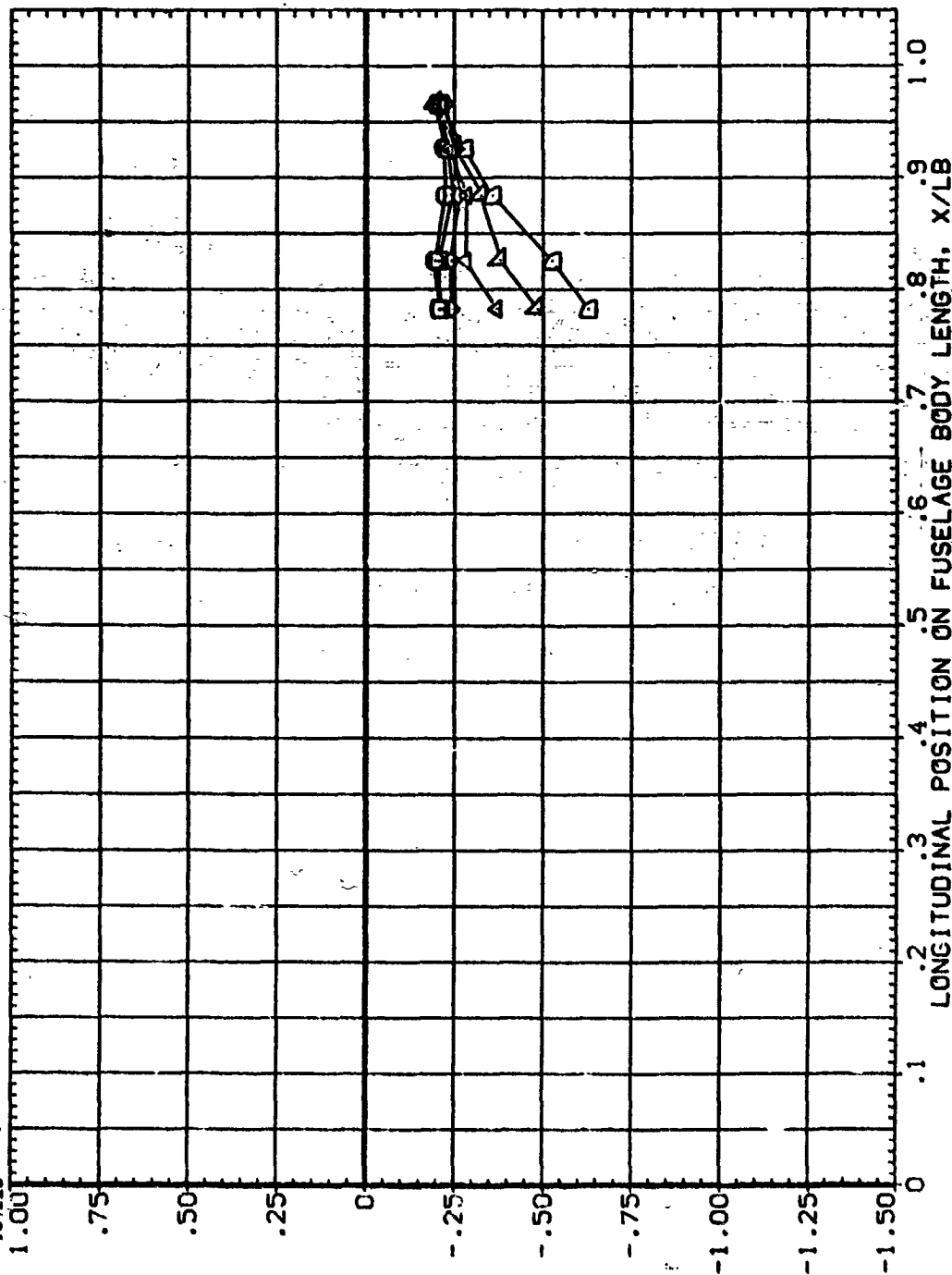


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB05)

SYMBOL	ALPHA		PHI		BETA		PARAMETRIC VALUES			
	-2.970	.030	120.000	10.050			ELEVON	.000	RUDDER	.000
▽	5.020	10.120					80FLAP	-14.250	BETA	10.000
◇	13.190									
□	16.220									

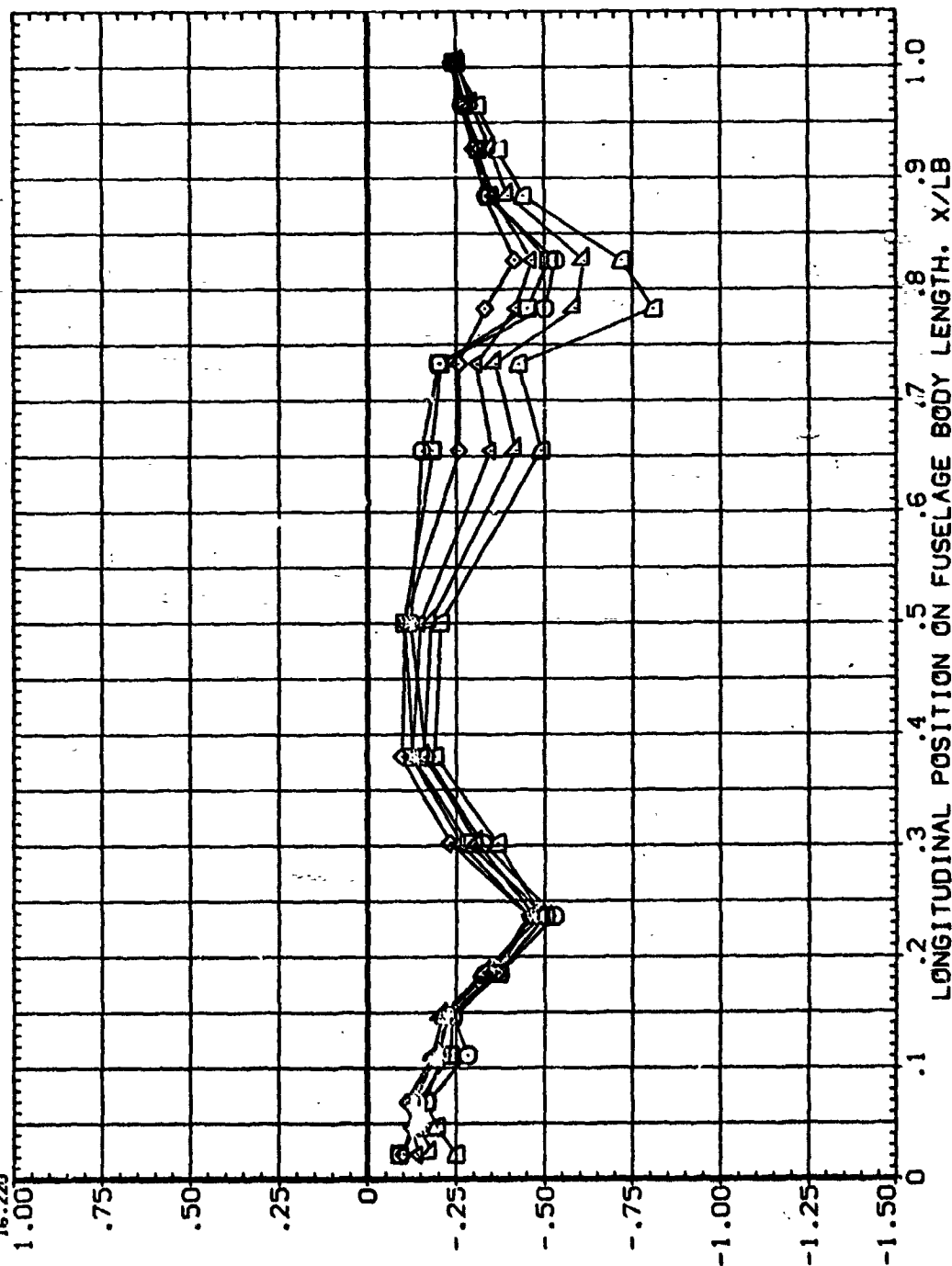


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

(R00805)

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
□	-2.570	135.000	10.050	.000	.000	10.000
◇	.030			-14.250		
△	5.020					
▽	10.120					
▽	13.150					
▽	16.220					

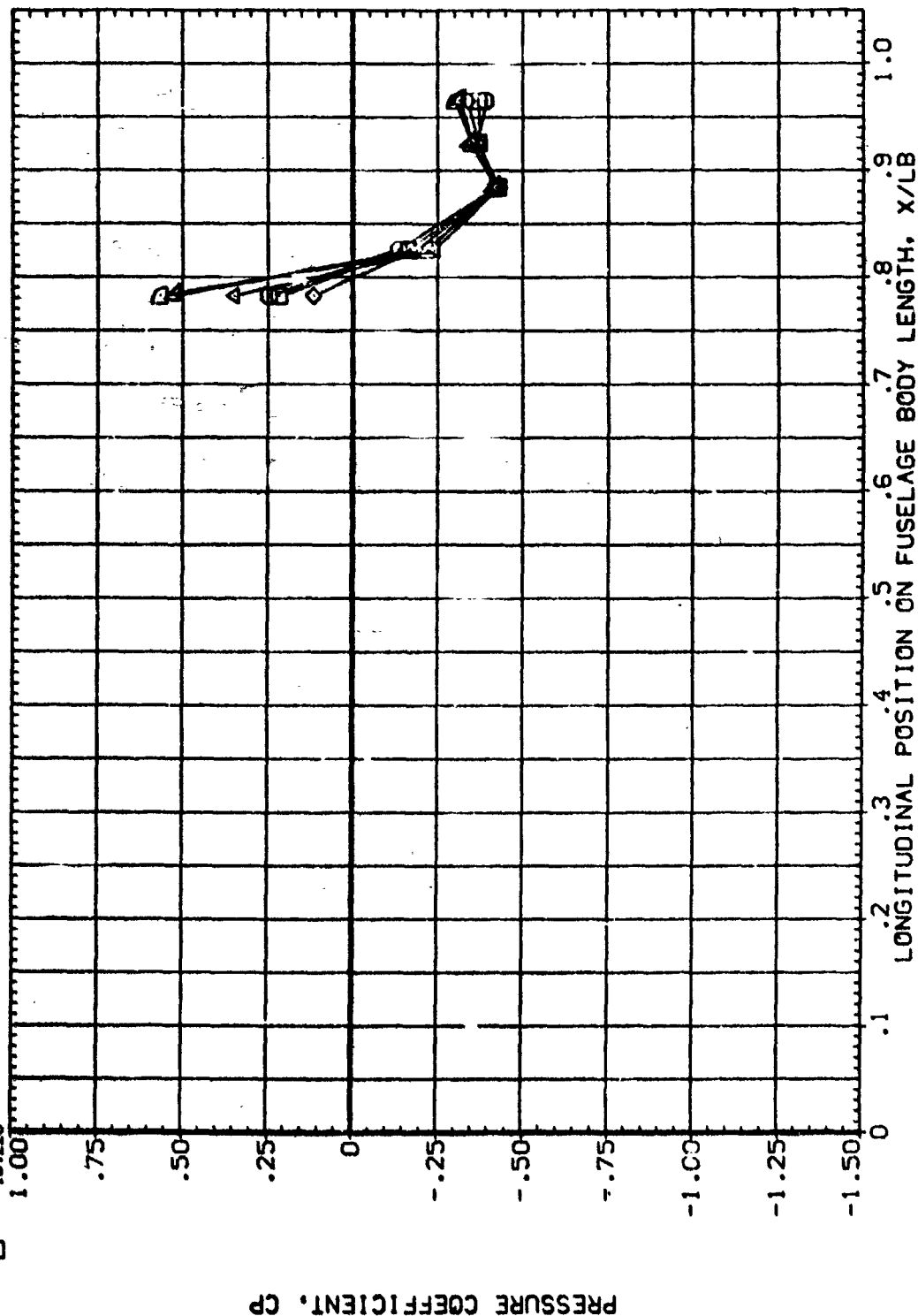


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B05)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.970	150.000	10.050	.000	.000	10.000
◇	-0.30			-14.250		
△	5.020					
▽	10.120					
◇	13.190					
▽	16.220					

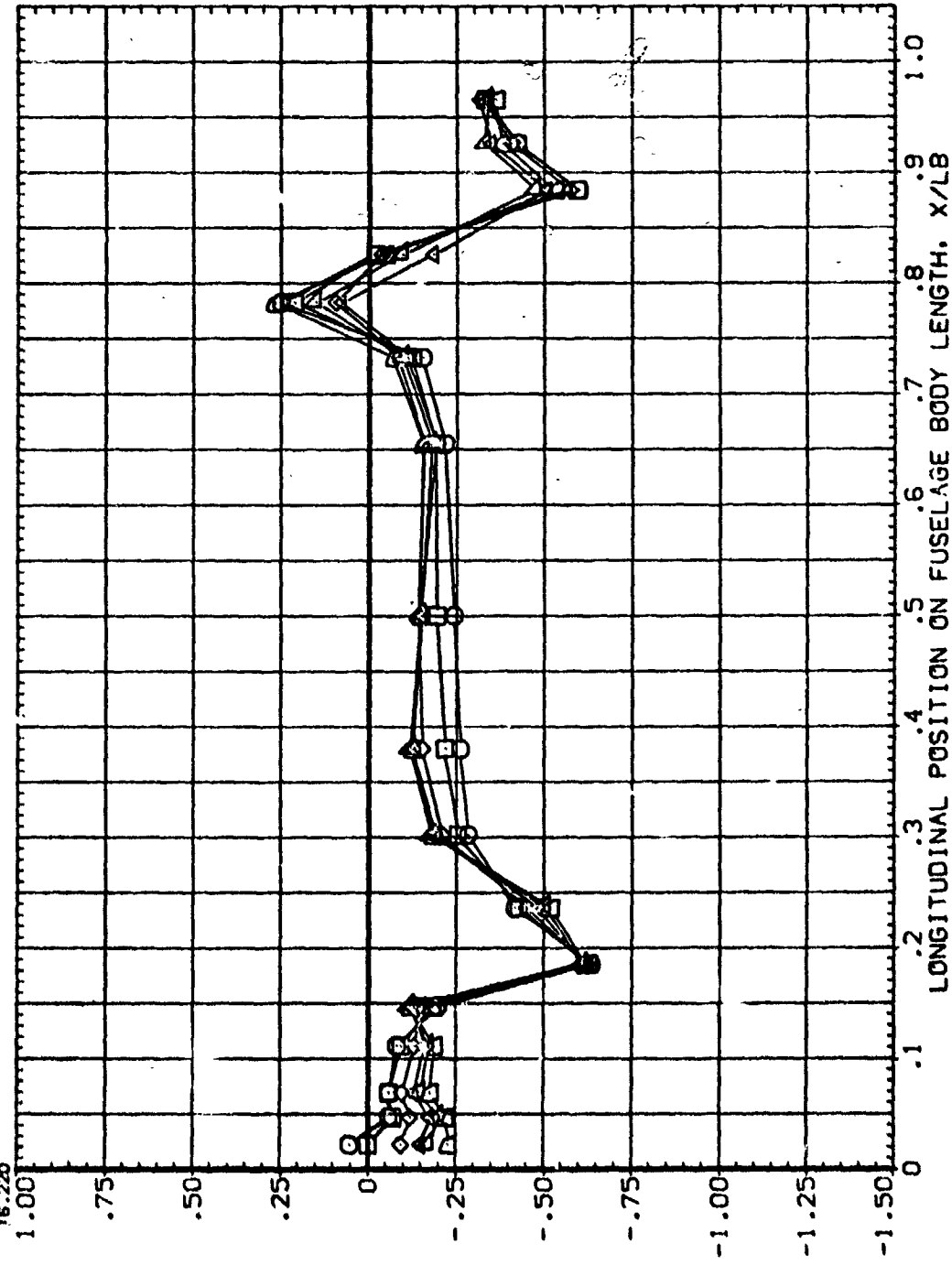


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYNCRON

ALPHA	PHI	BETA
-2.970	165.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

PARAMETRIC VALUES	
ELEVON	.000
RUDDER	.000
BOFLAP	-14.250
BETA	10.000

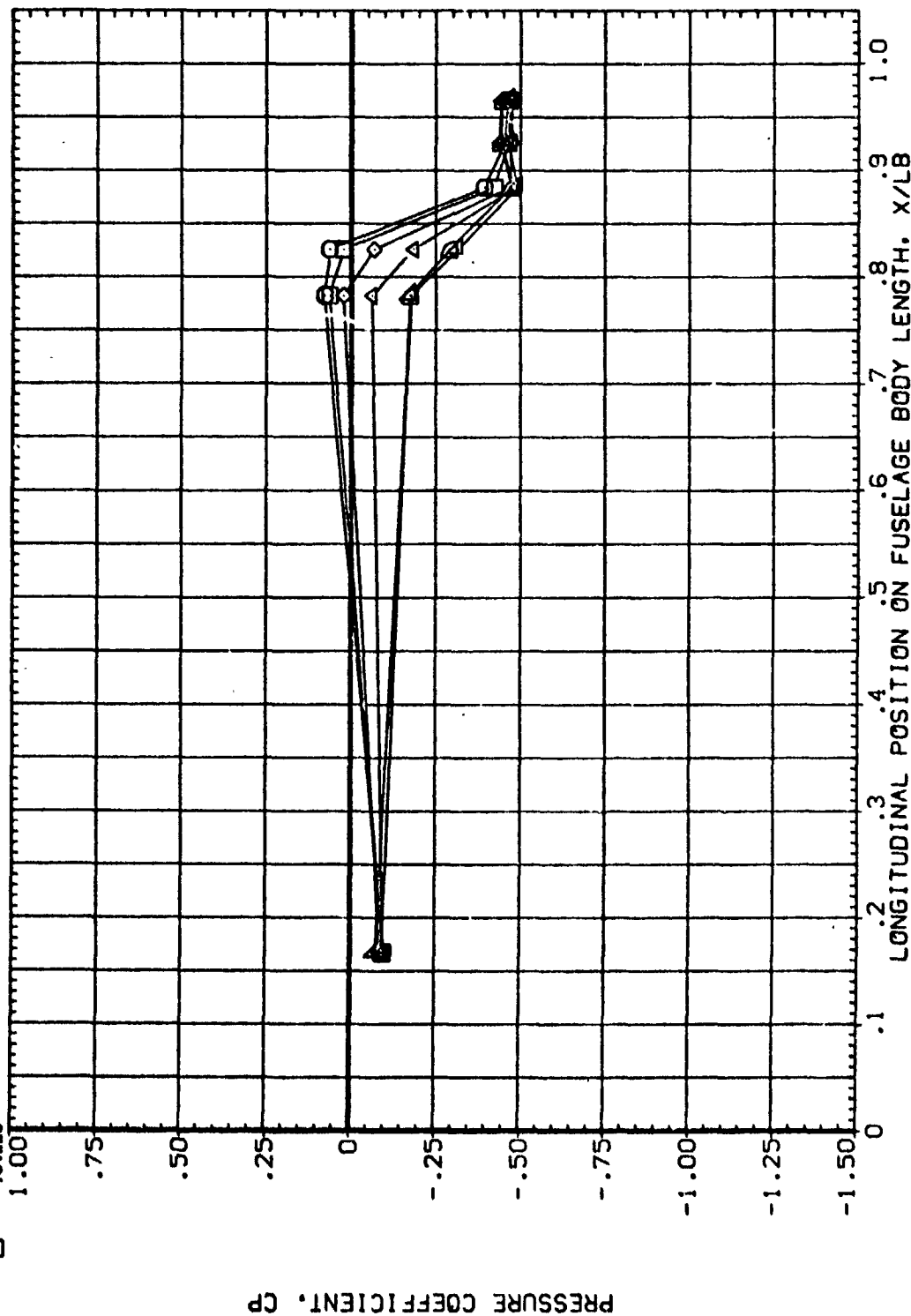


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B05)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
□	-2.970	180.000	10.050	.000	.000	10.000
◇	.030			.000		
△	5.020			-14.250		
▽	10.120					
○	13.190					
●	16.220					

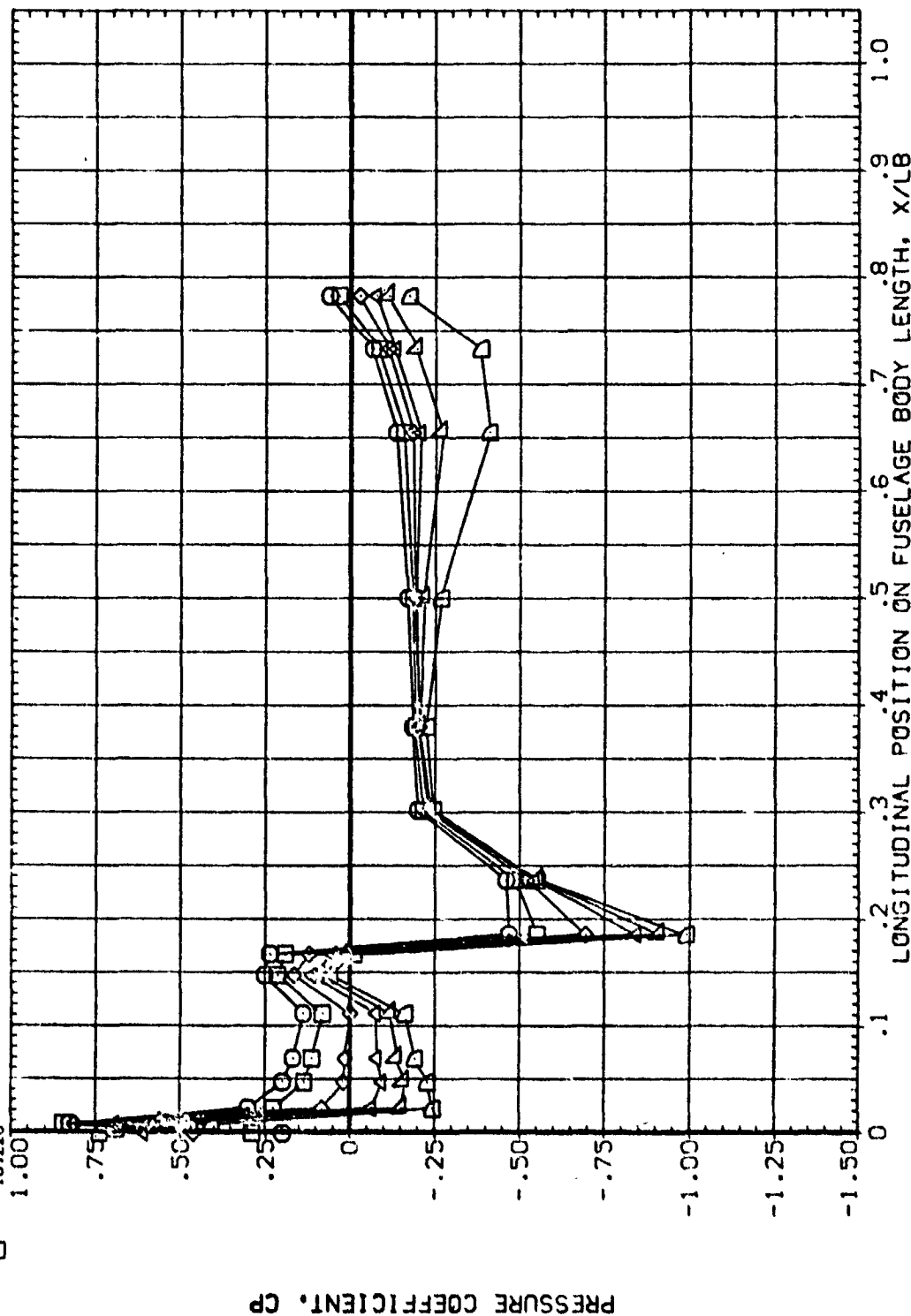


FIG. 12 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT USELAGE (RD0806)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

PHI .000 BETA -10.060

SYMBOL ALPHA
□ -2.980
◇ -0.20
◇ 5.020
◇ 10.090
◇ 13.190
◇ 16.220

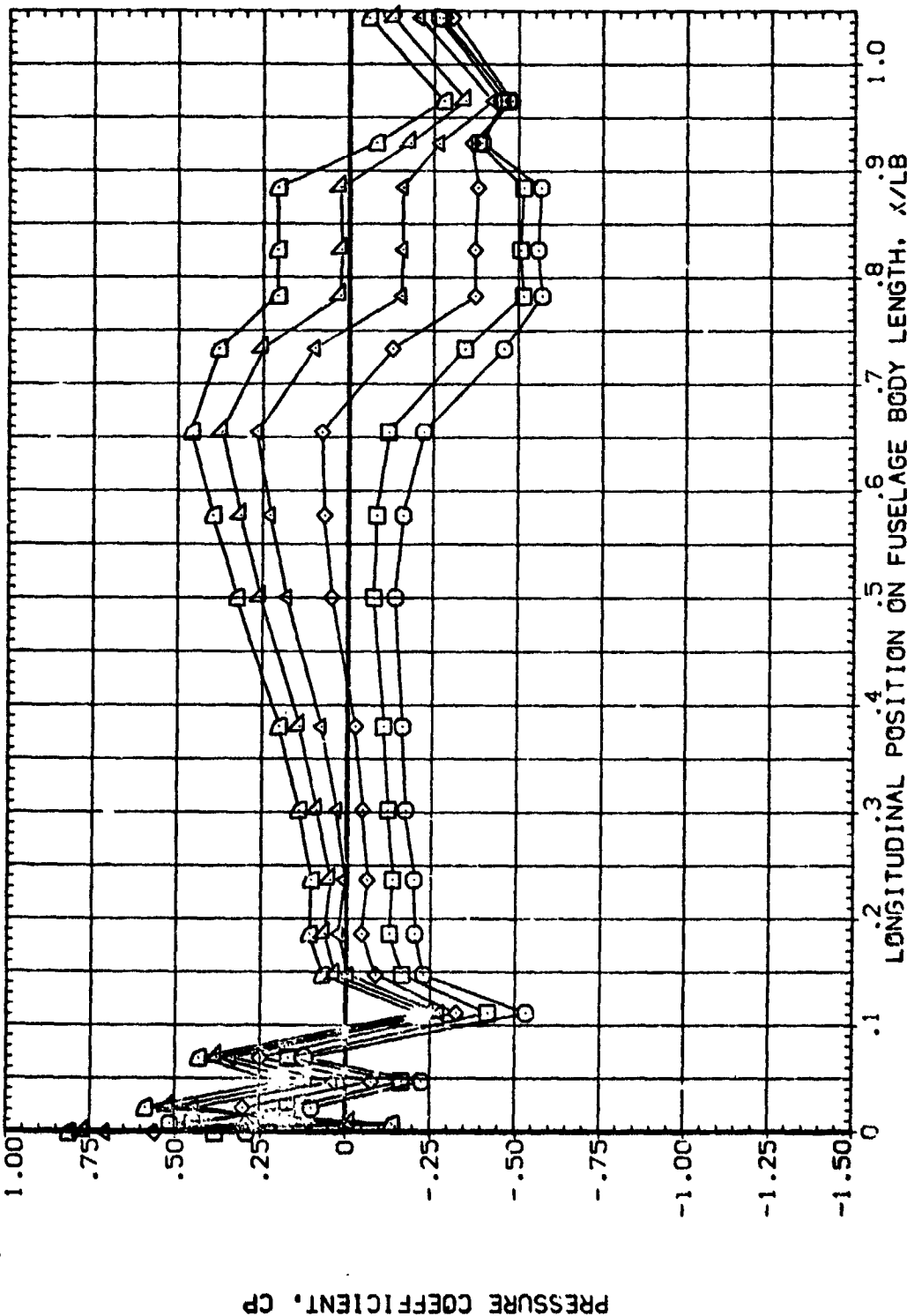


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9615M7F8W116E26V8R5X9 LEFT FUSELAGE

RDQB06J

SYMBOL
 □ ▽ ◆ ◇

ALPHA	PHI	BETA
-2.960	20.000	-10.060
.020		
5.020		
10.090		
13.190		
16.220		

PARAMETRIC VALUES		
ELEVON	RUDDER	BETA
-20.000	.000	-10.000
-14.250		

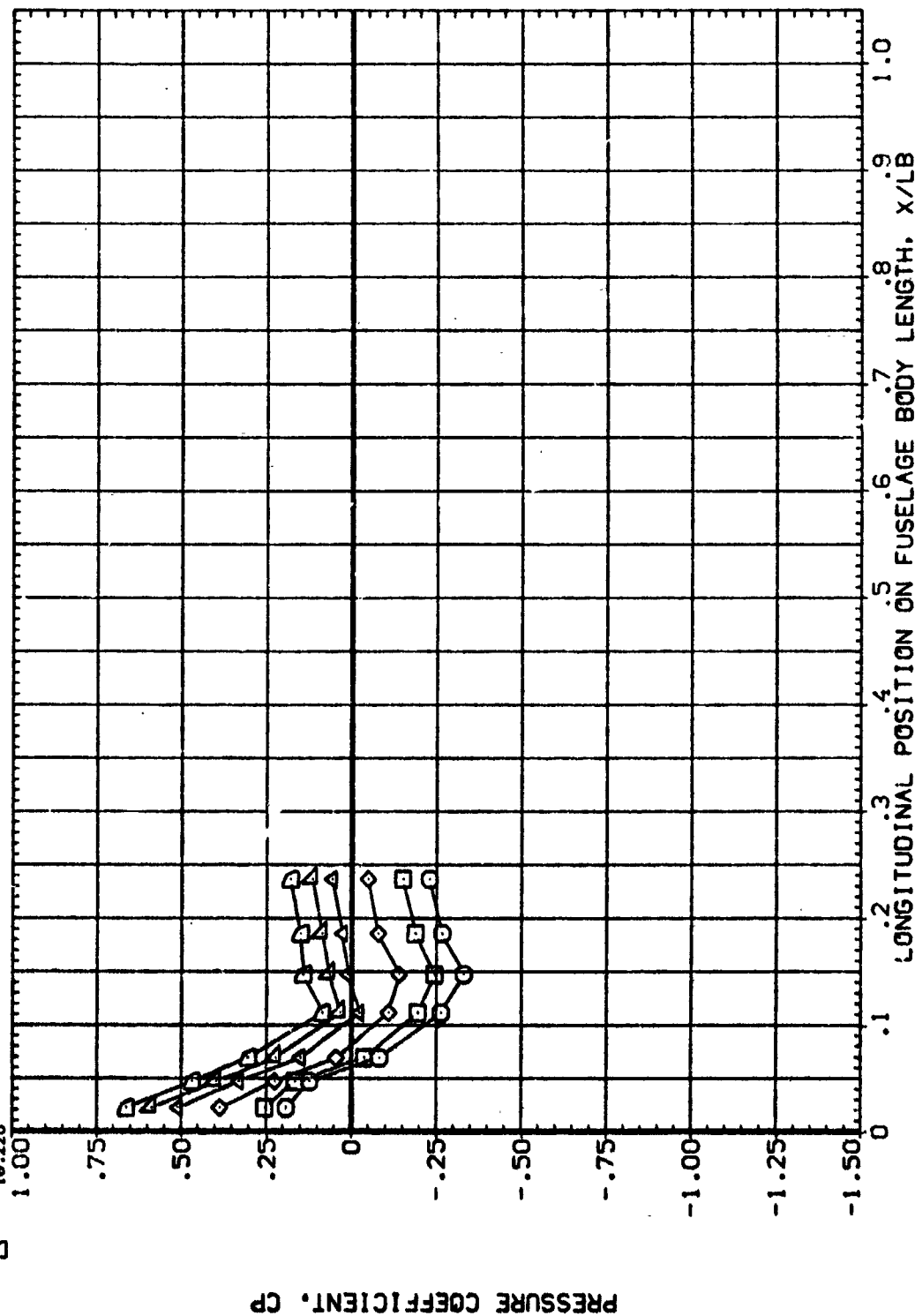


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

(RDQB06)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 40.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

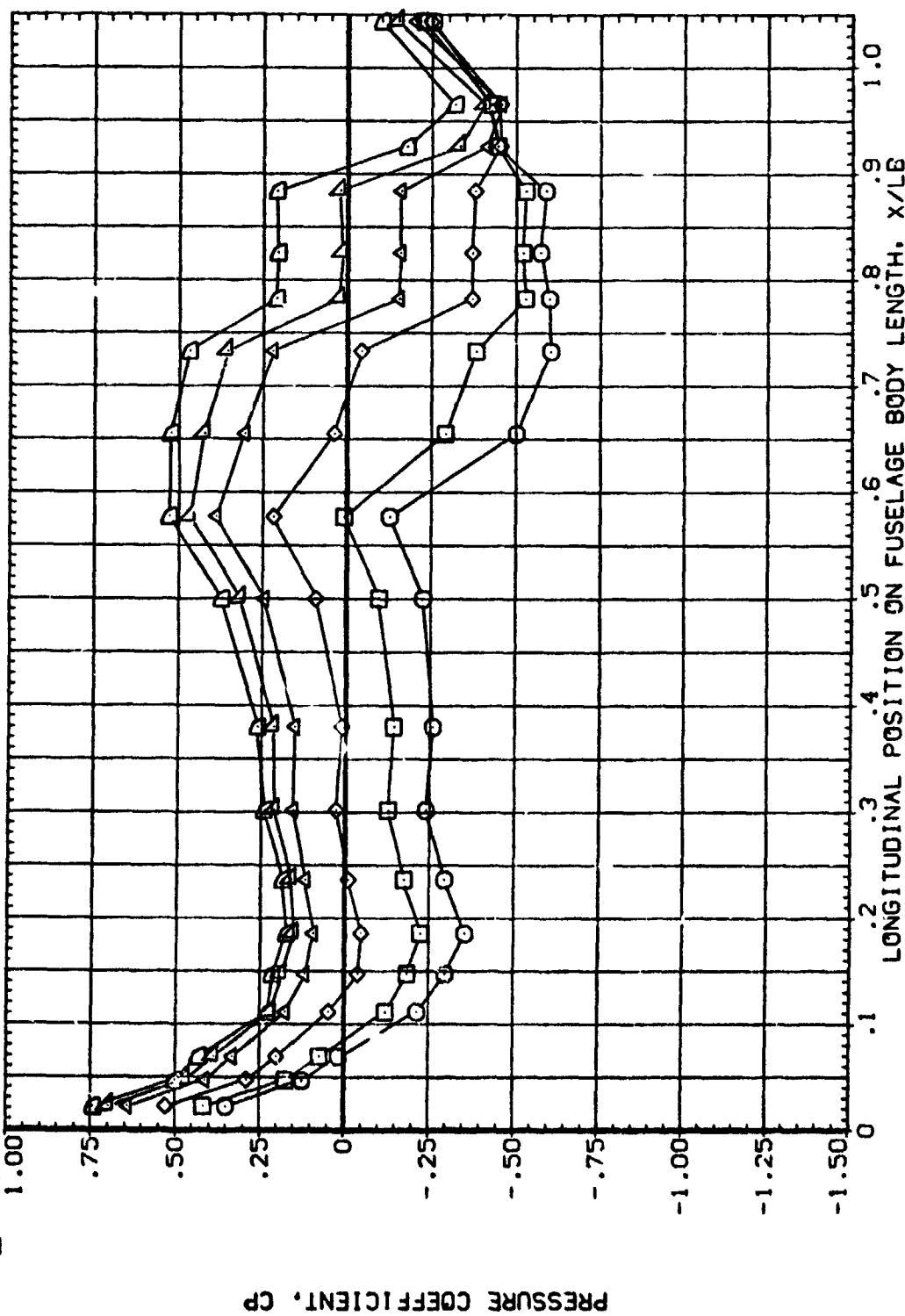


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q806)

PARAMETRIC VALUES
ELEVON -20.000 PUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA 2.960 BETA -10.060
5.020
10.050
13.190
16.220

SYMBOL
□ ▽ ▴ ▾

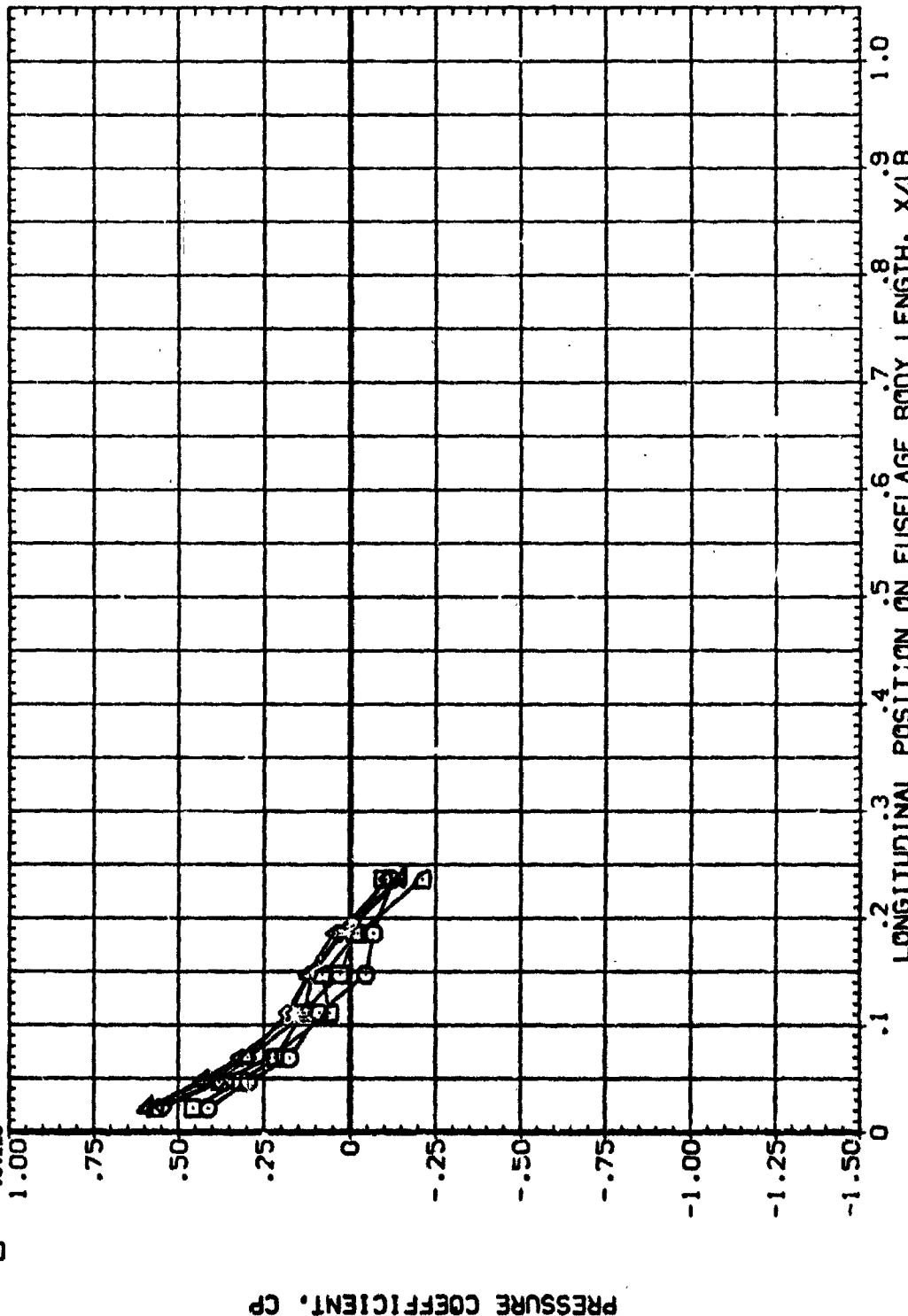


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB06)

SYMBOL	ALPHA	PMI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.980	70.000	-10.060	-20.000		.000
◇	.020			-14.250		-10.000
△	5.020					
▽	10.090					
○	13.190					
◻	16.220					

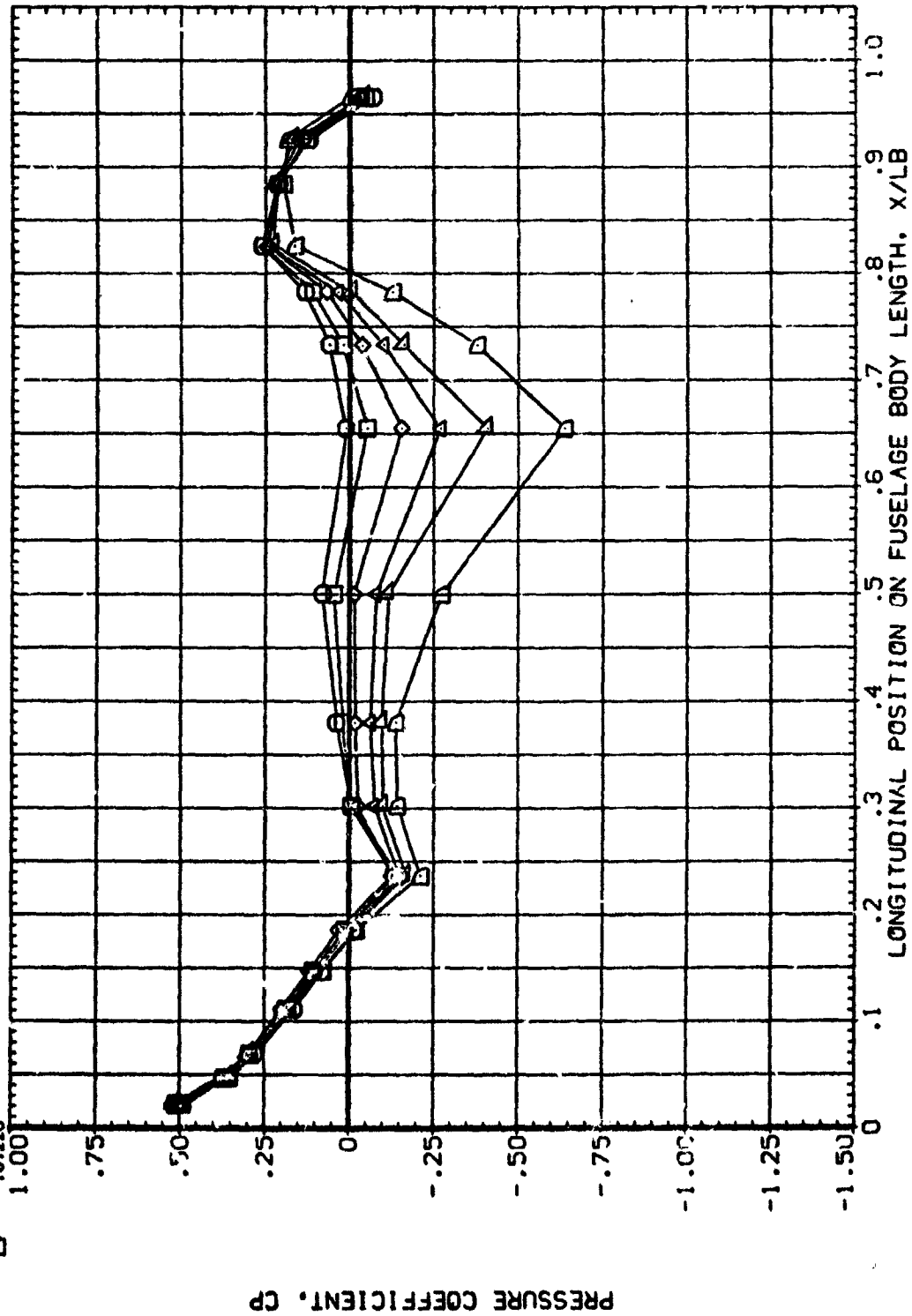


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E2CV8RSX9 LEFT FUSELAGE (RDGBCS)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.580	90.000	-10.060	ELEVON -20.000 RUDDER .000
◇	5.020			BOFLAP -14.250 BETA -10.000
△	10.090			
▽	13.190			
◊	16.220			

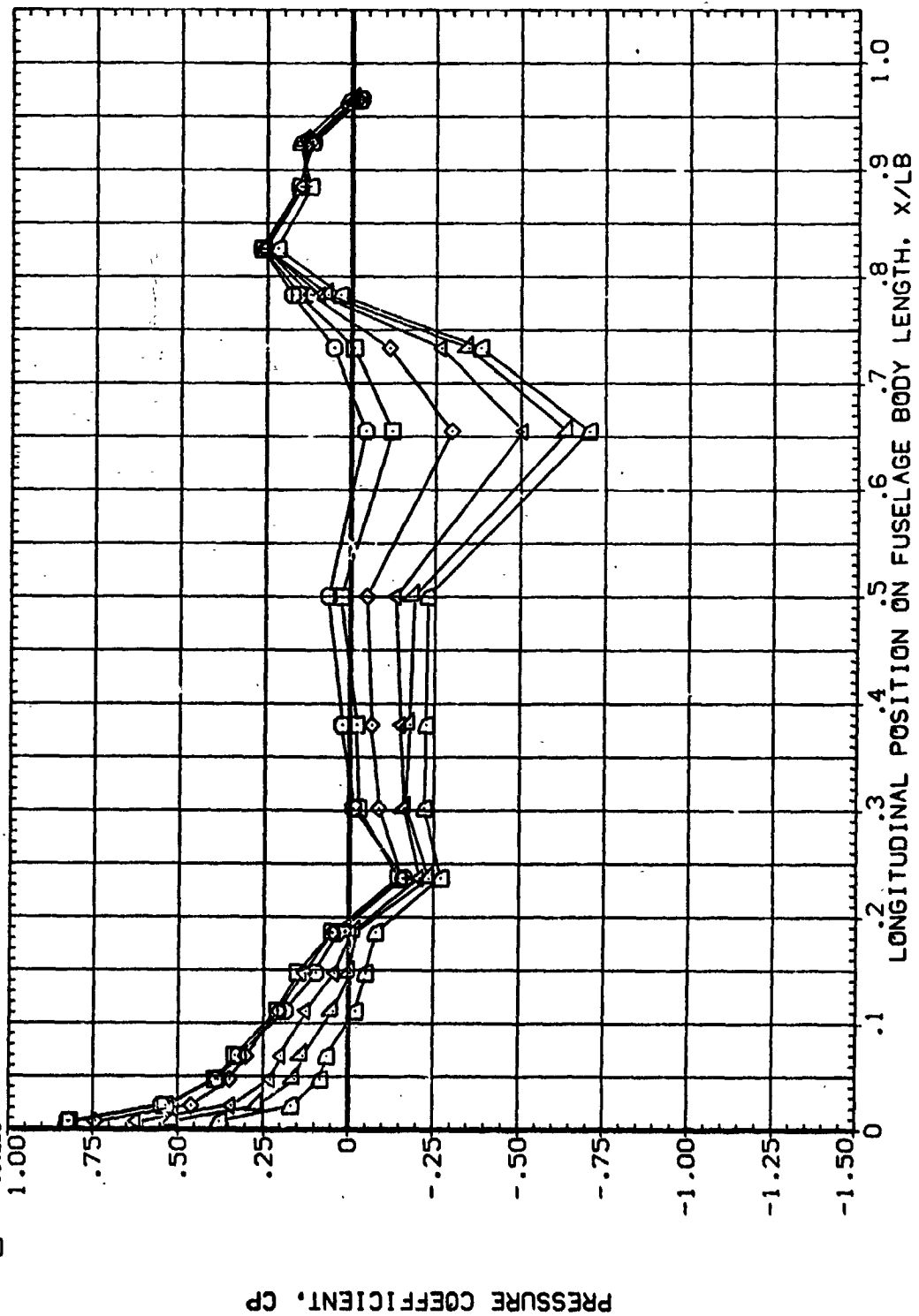


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOLS

ALPHA	PHI	BETA :
-2.980	105.000	-10.060

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
BDFLAP	-14.250 BETA

-10.000
.000

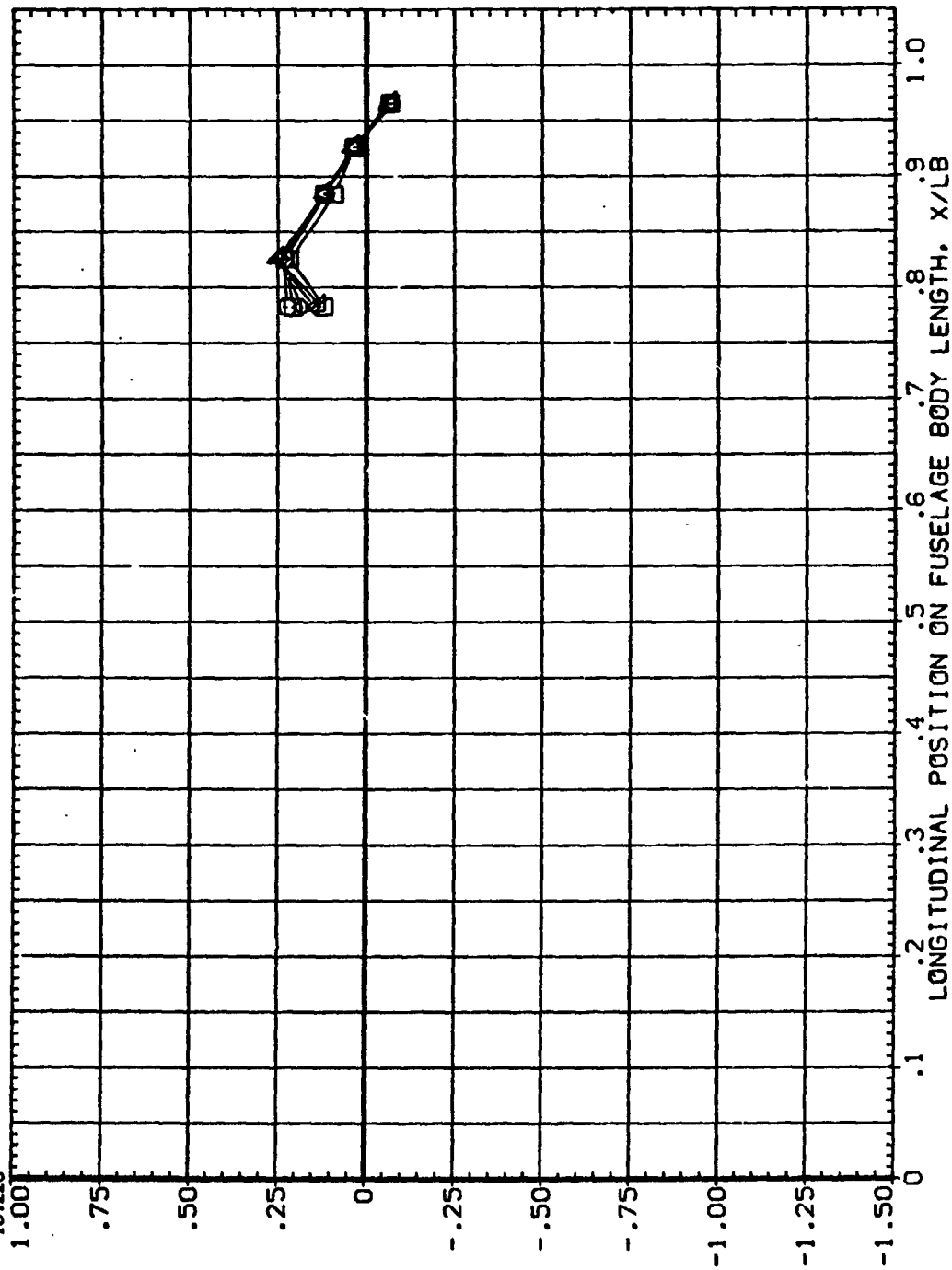


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X.3 LEFT FUSELAGE (R00B06)
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA -10.000
 ALPHA PHI BETA
 -2.980 120.000 -10.060
 .020
 5.020
 10.090
 13.190
 16.220

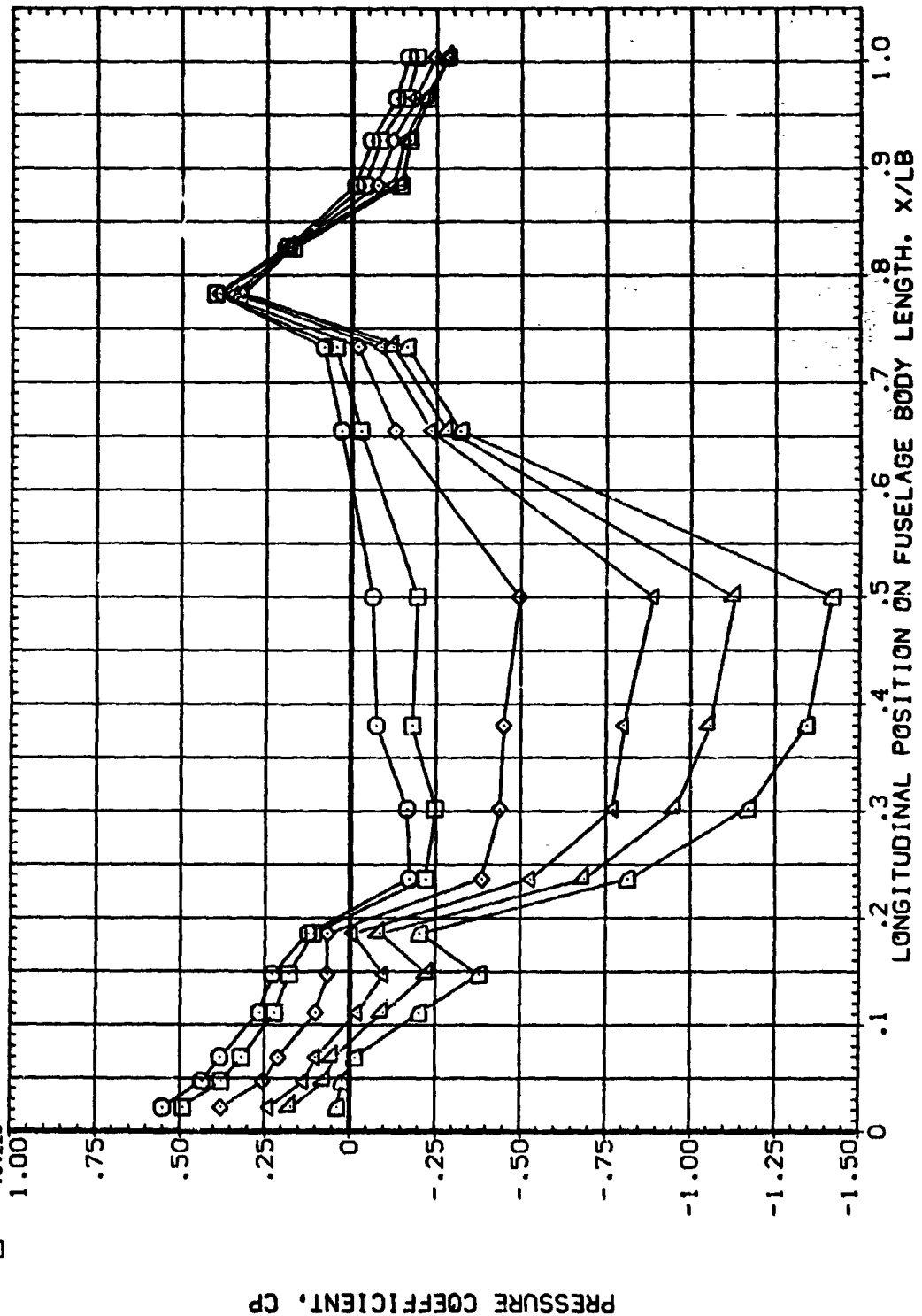


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB06)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	
○	-2.980	135.000	-10.060	-20.000		.000
◇	.020			-14.250	BETA	-10.000
□	5.020					
▽	10.090					
▽	13.190					
▽	16.220					

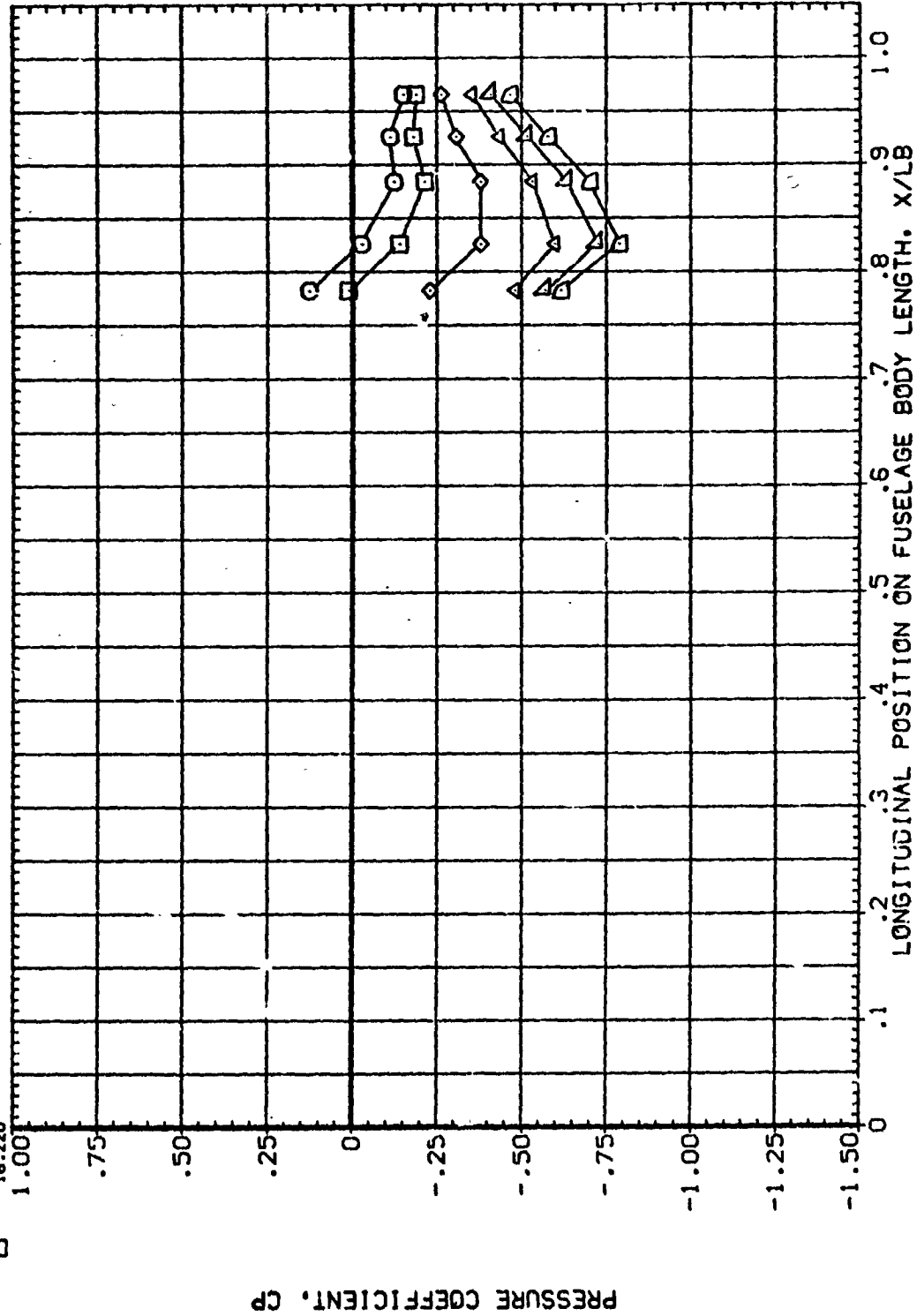


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RQGB06)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	
○	-2.980	150.000	-10.060	-20.000		.000
□	.020			-14.250		-10.000
◇	5.020					
▽	10.090					
△	13.190					
▽	16.220					

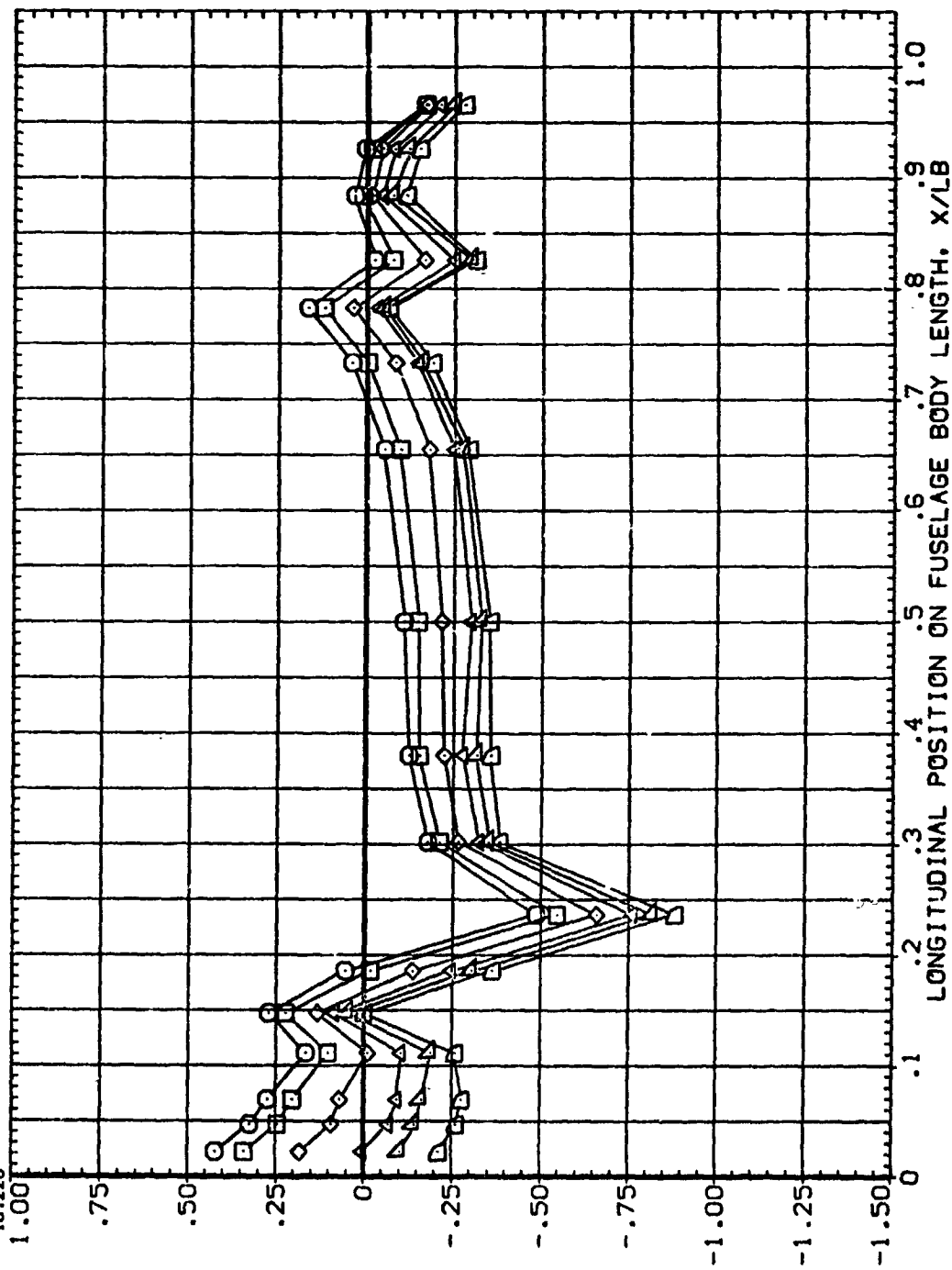


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT. ELEVON = -20, BETA = -10

(RDQB06)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
 FLEVON -20.000 RUDDER .000
 FLAP -14.250 BETA -10.000

ALPHA PHI BETA
 -2.980 165.000 -10.060
 .020
 5.020
 10.090
 13.190
 16.220

SYMBOL
 □ ◇ △ ▽ ▹ ▸

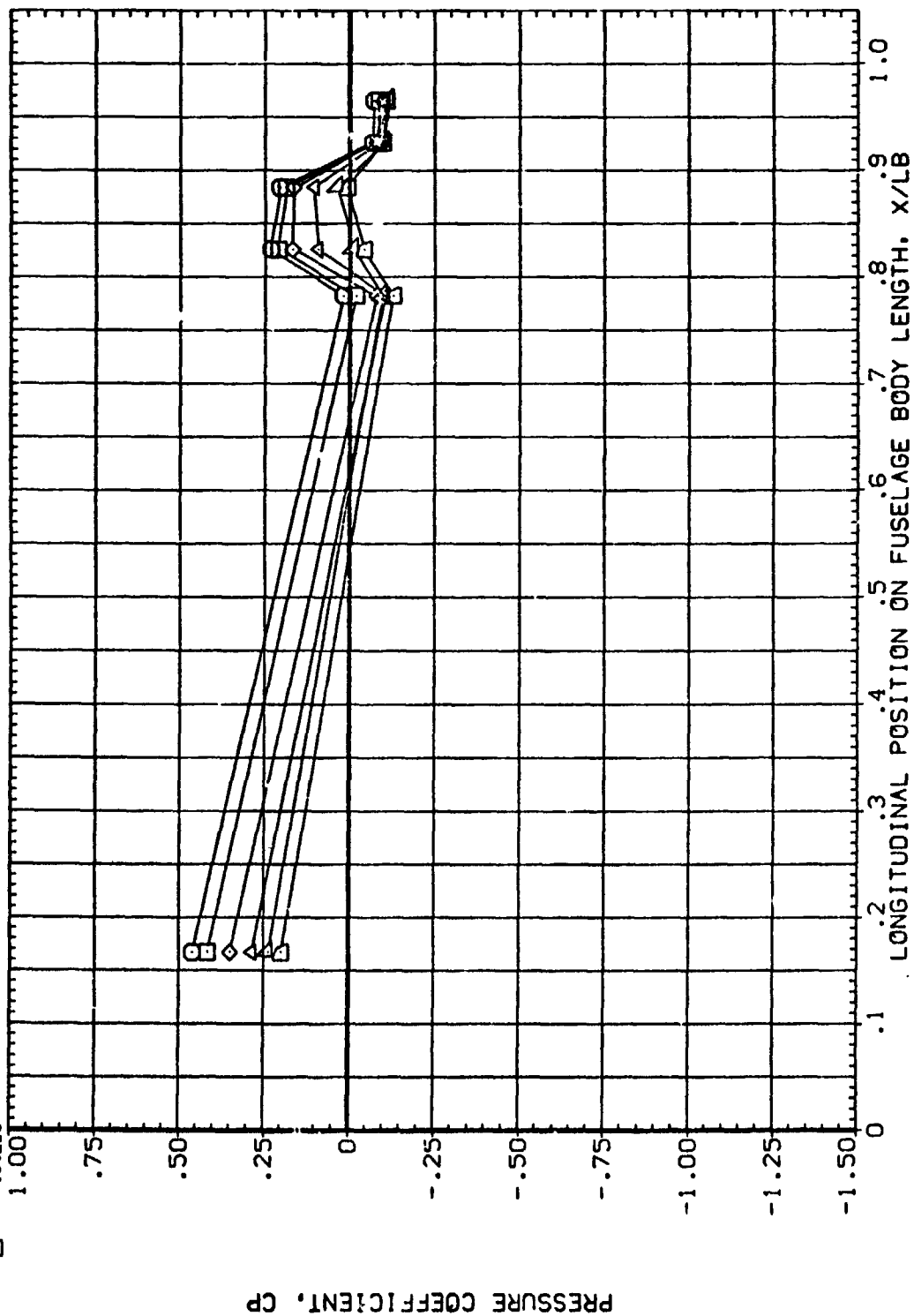


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R0Q806)
 ALPHA PHI BETA
 -2.980 180.000 -10.060
 -0.020
 5.020
 10.090
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

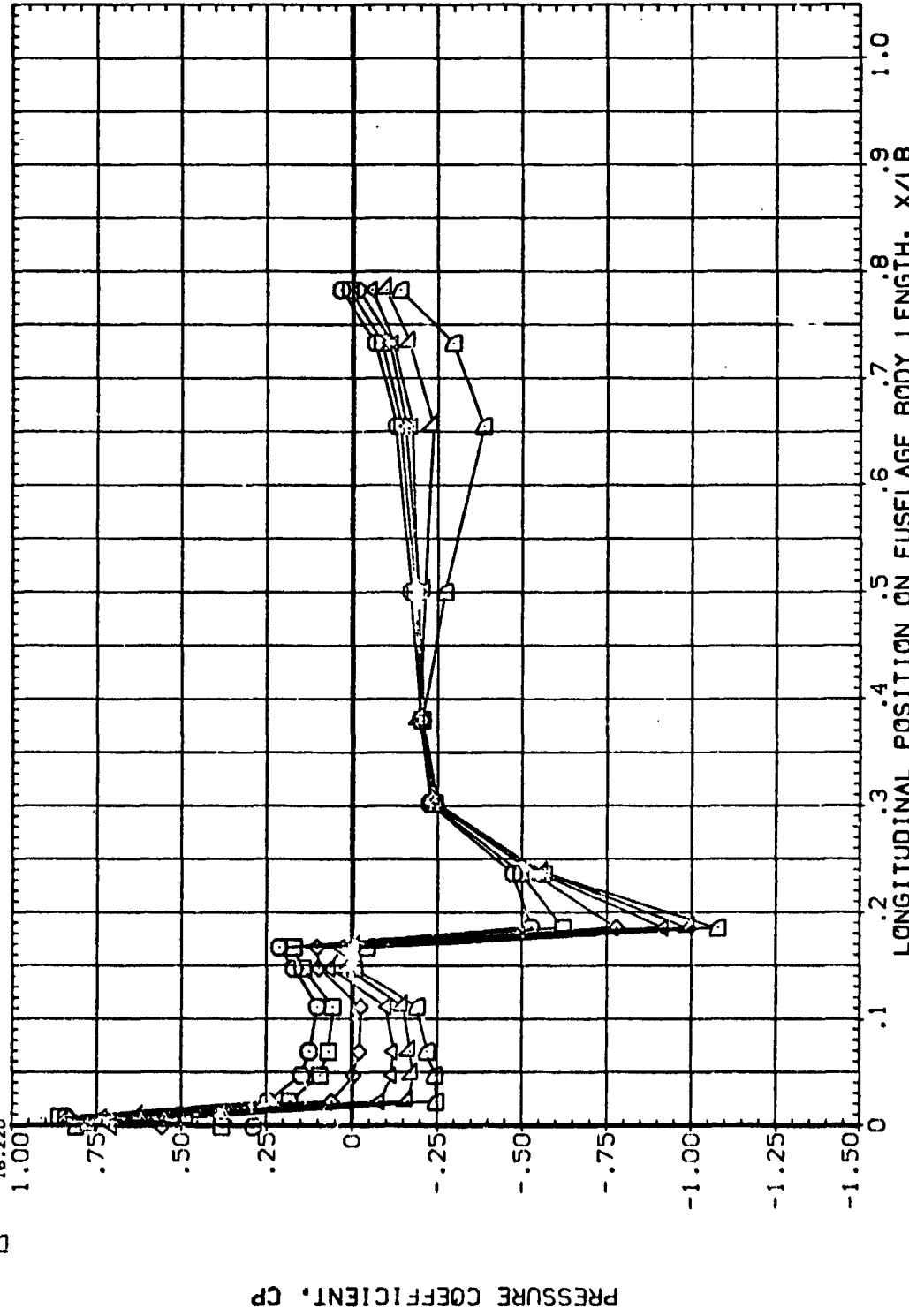


FIG. 13 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

(RDQB07)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES	
				ELEVON BOFLAP	RUDDER BETA
□	-2.950	.000	-.010	-20.000	.000
◇	.050			-14.250	.000
▽	5.030				
▽	10.100				
▽	13.220				
▽	16.240				

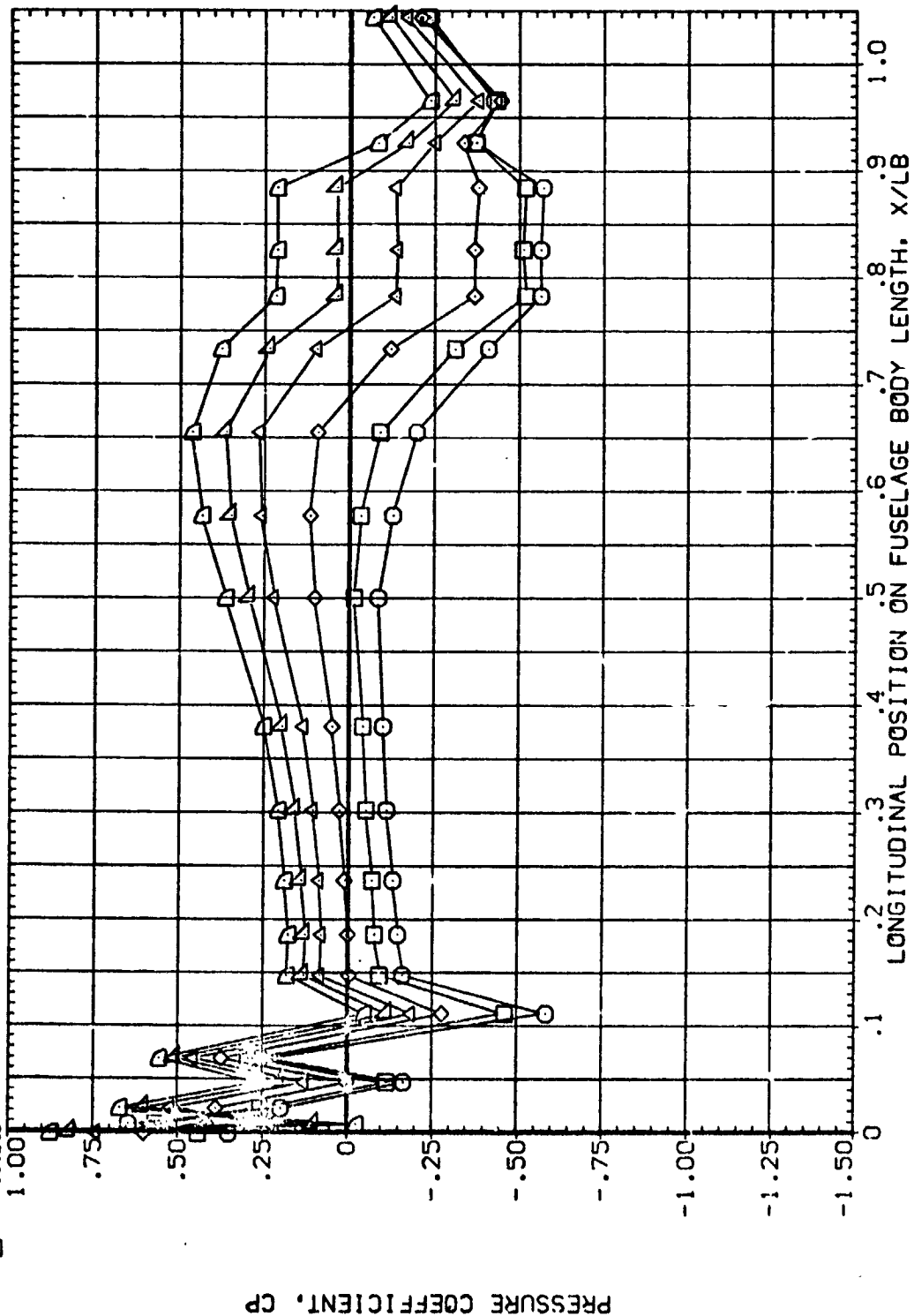
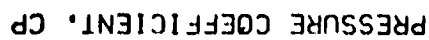


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(R00607)

PARAMETRIC VALUES	
ELEVON	-20.000
RUDDER	.000
BDFLAP	-14.250
BETA	.000



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(RDQB07)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹ ▸

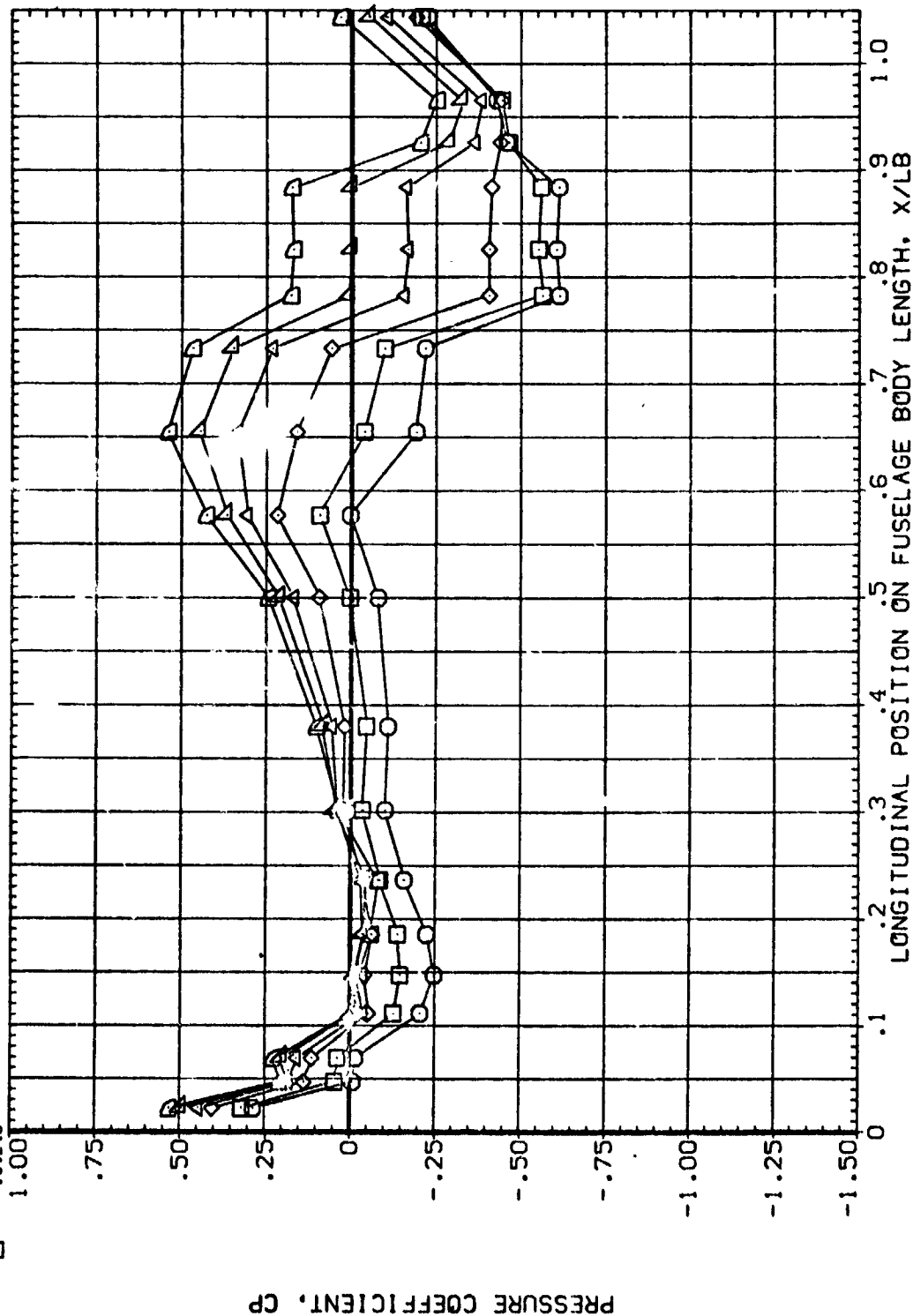


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00807)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 55.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◊ □ ○

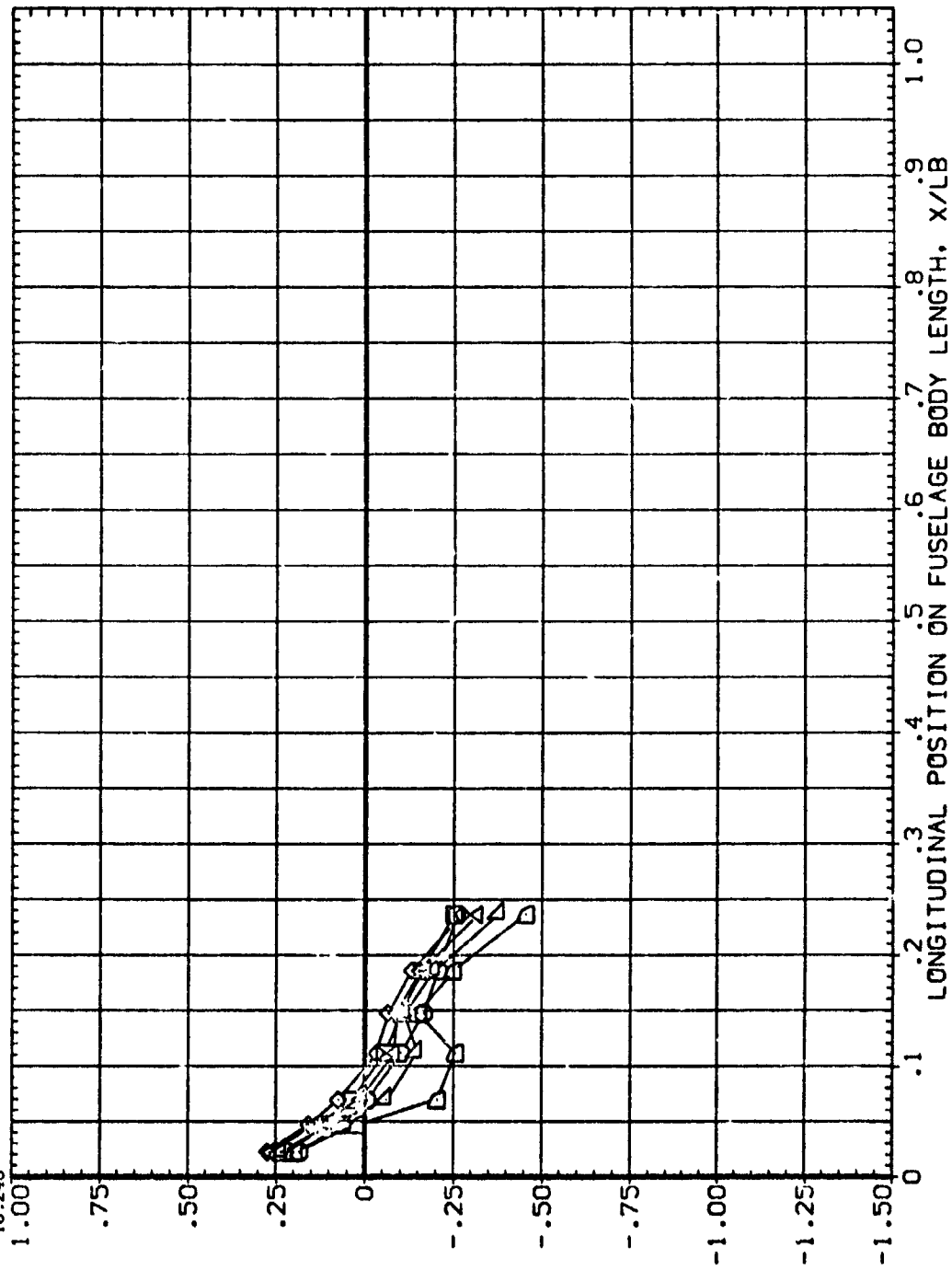


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00807)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BCFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 90.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▿

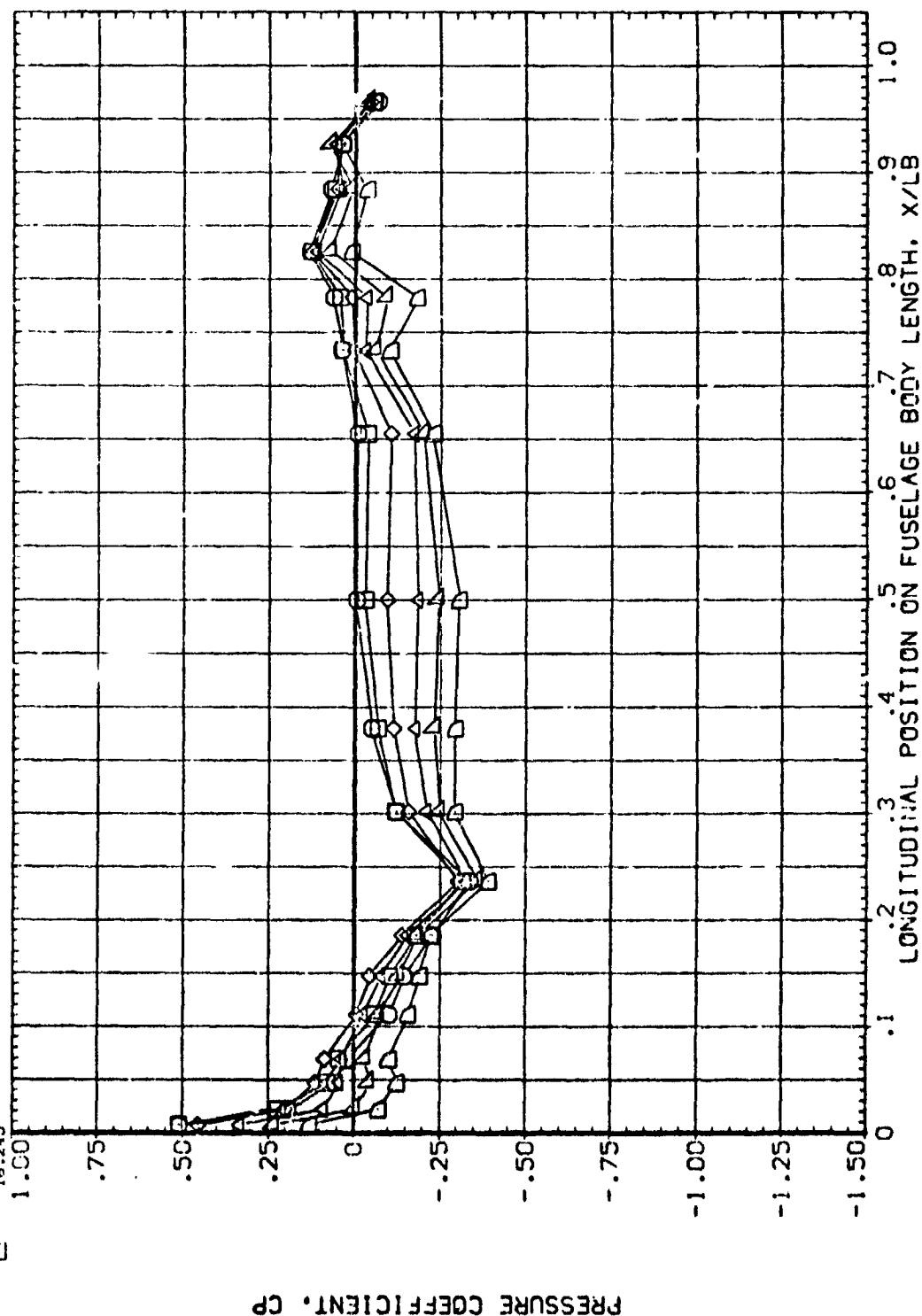


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT. ELEVON = -20, BETA = 0

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ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB07)

SYMBOL
 □
 ◇
 △
 ▽
 ○

ALPHA
 -2.950
 .050
 5.030
 10.100
 13.220
 16.240

PHI
 105.000
 BETA
 -.010

PARAMETRIC VALUES
 ELEVON
 -20.000
 RUDDER
 -14.250
 BETA
 .000

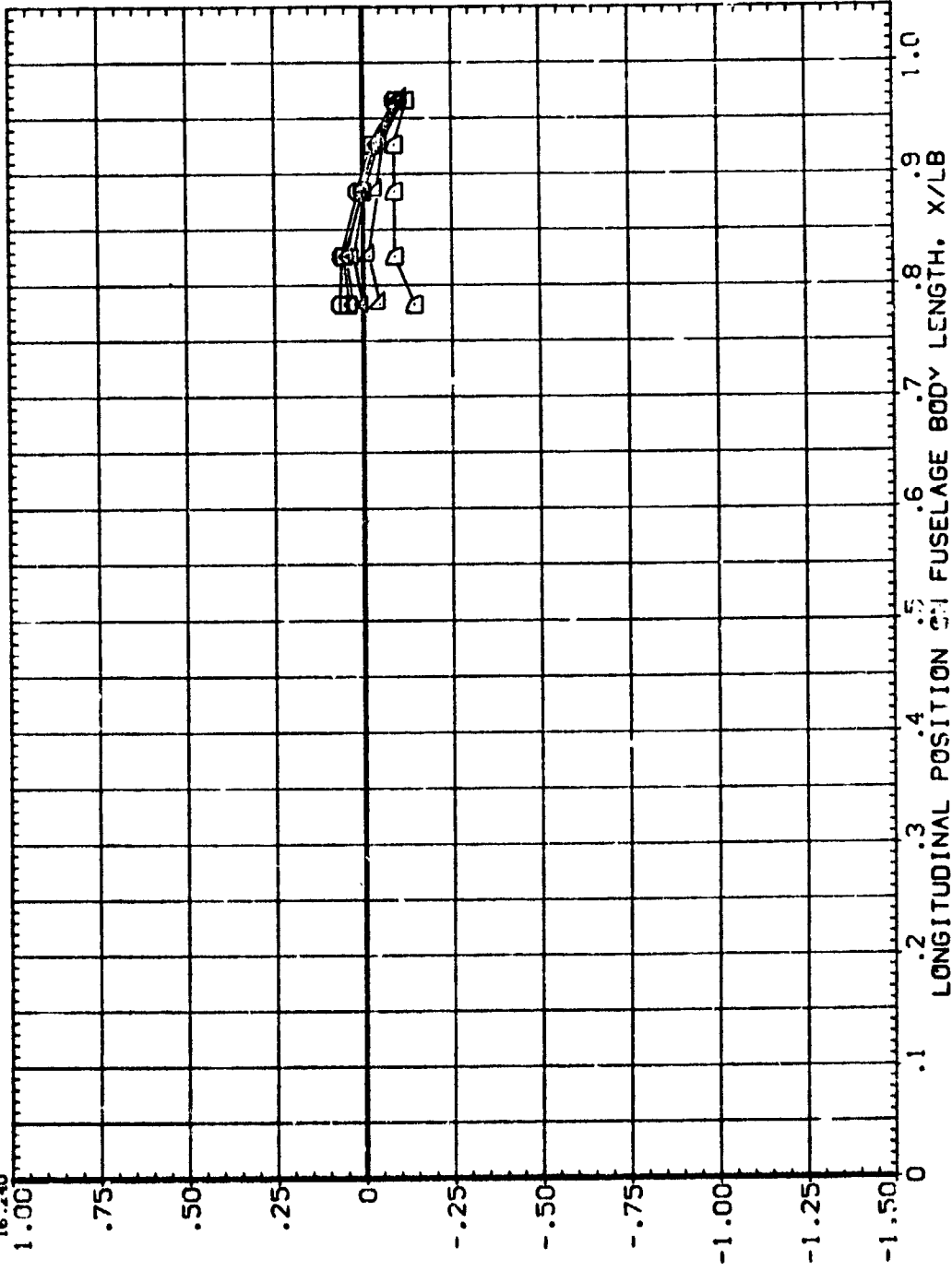


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B07)
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA .000

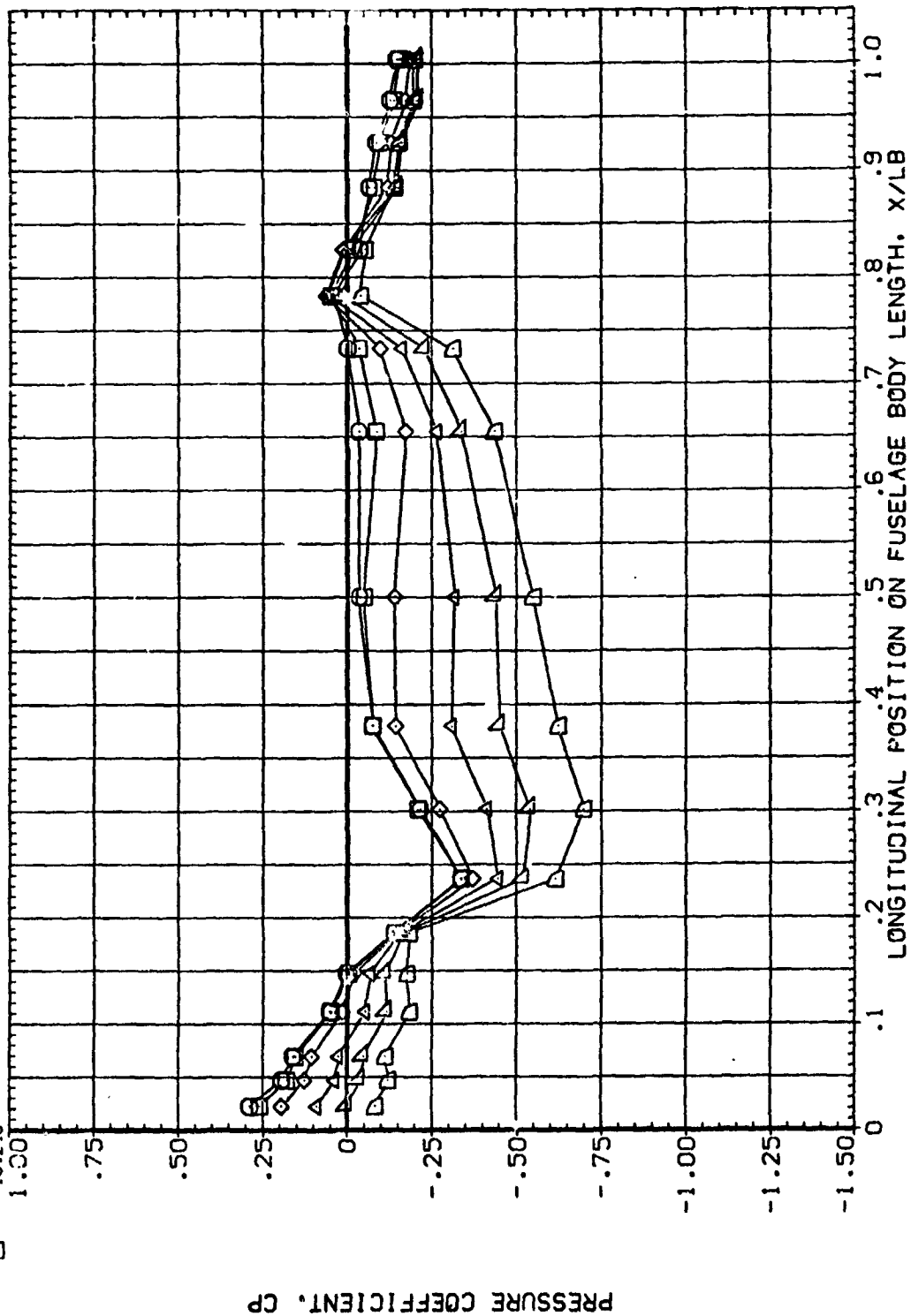


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0
 PAGE 95

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B07)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	-20.000	.000
◇	-14.250	.000
△		
▽		
▽		

PHI	BETA
135.000	-.010

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

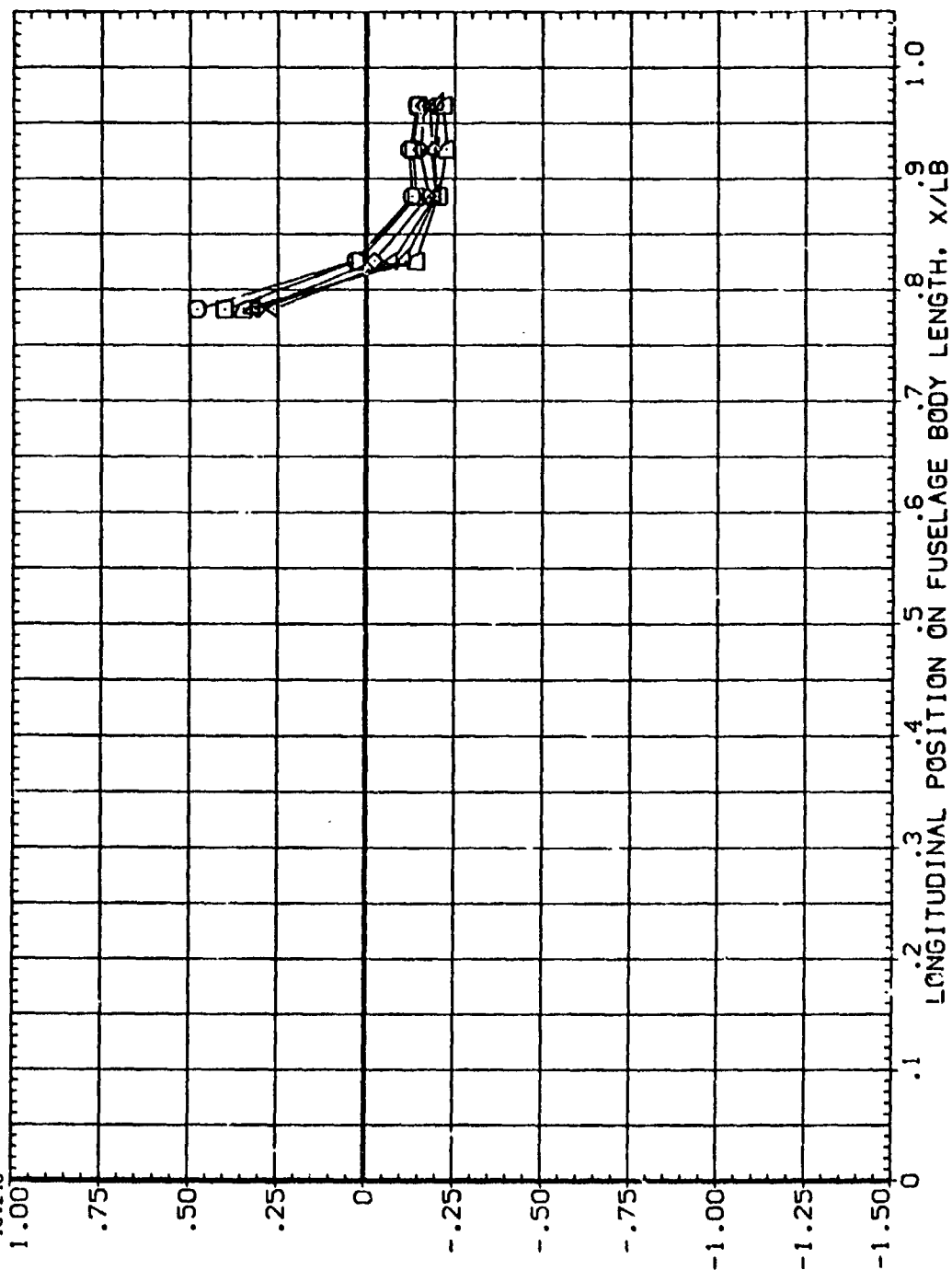


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB07)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 150.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽ ▽ ◊ □ ○

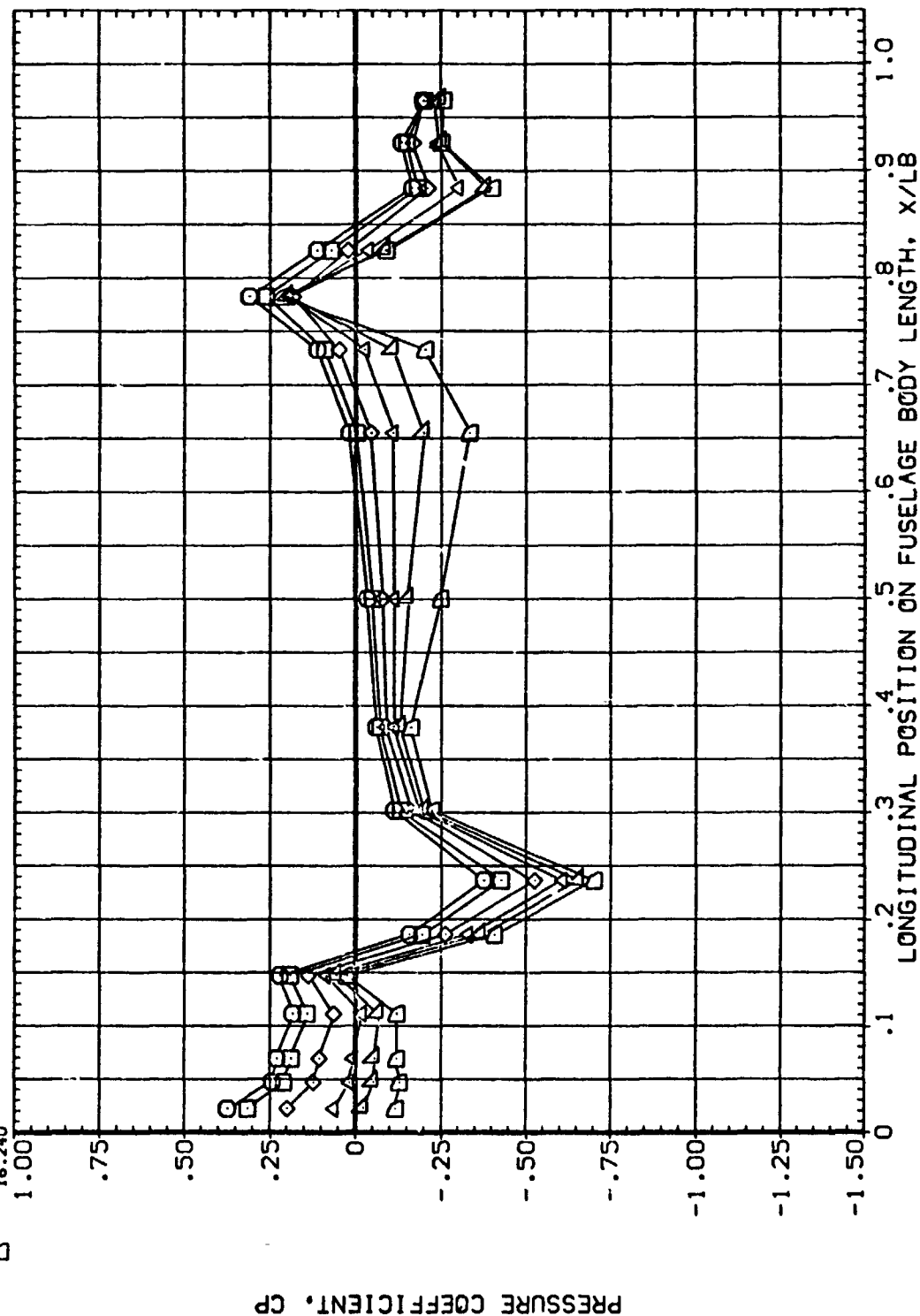


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(R00807)

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

ALPHA	PHI	BETA
-2.950	165.000	-.010

PARAMETRIC VALUES	
ELEVON	-20.000 RUDDER
80FLAP	-14.250 BETA

000.

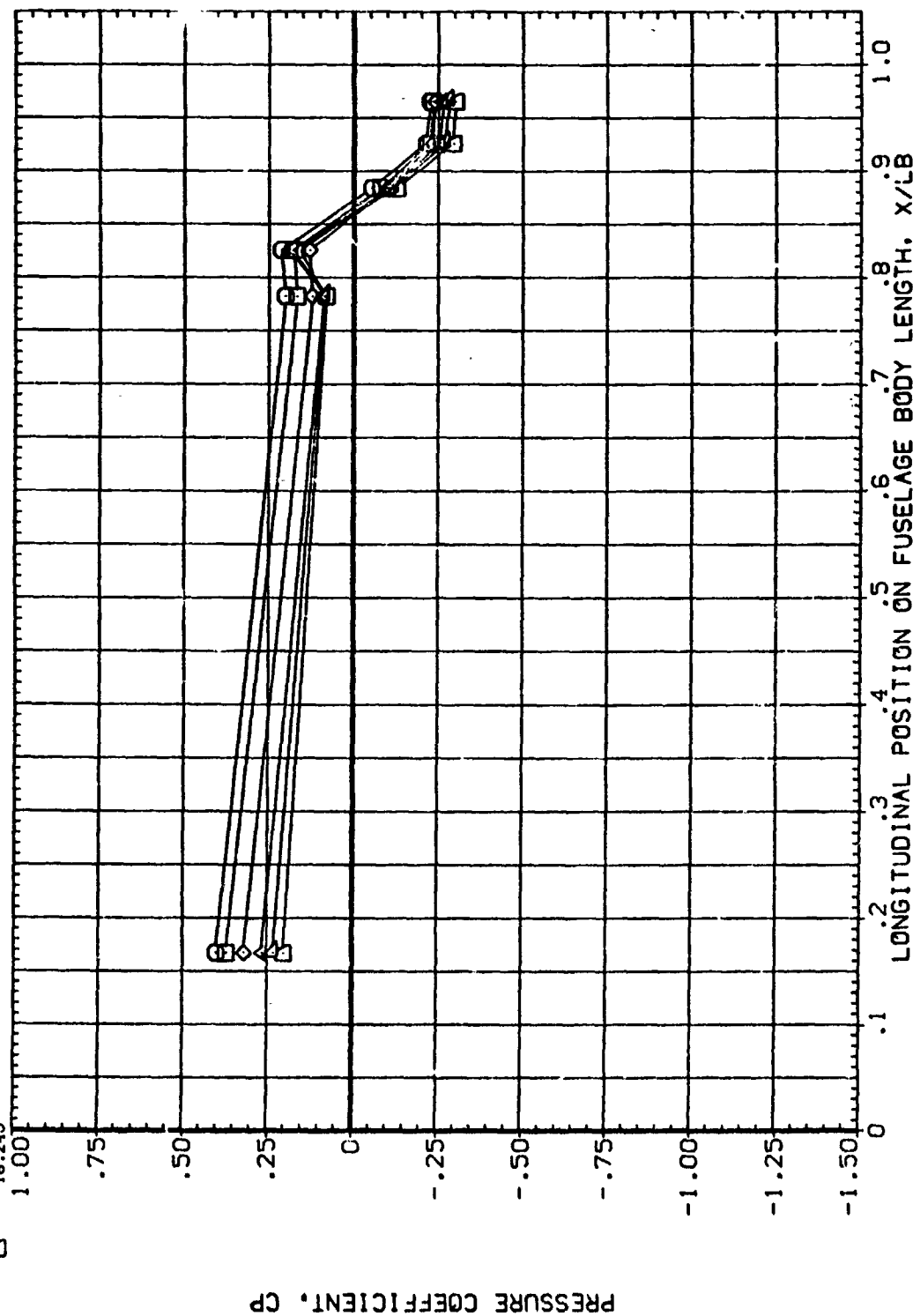


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0807)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.950	180.000	-.010	ELEVON -20.000 RUDDER .000
◇	.050			BDFLAP -14.250 BETA .000
△	5.030			
▽	10.100			
▽	13.220			
▽	16.240			

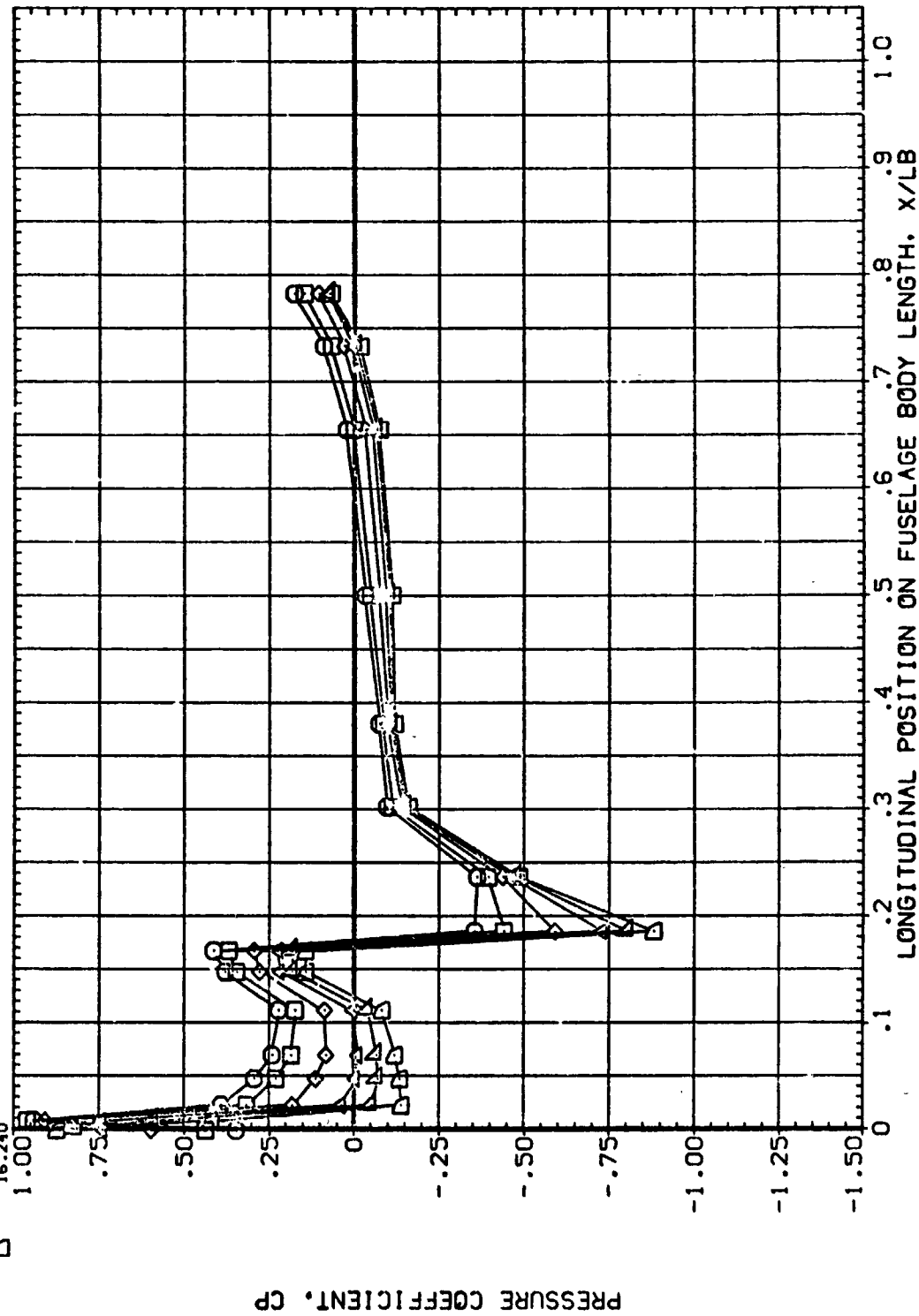


FIG. 14 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

(R00808)

326C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL
 □
 ◇
 △
 ○

ALPHA
 -2.970
 .030
 5.020
 10.120
 13.190
 16.220

PHI
 .000
 10.050

PARAMETRIC VALUES
 ELEVON
 BOFLAP
 -20.000
 -14.250
 RUDDER
 BETA
 10.000
 10.000

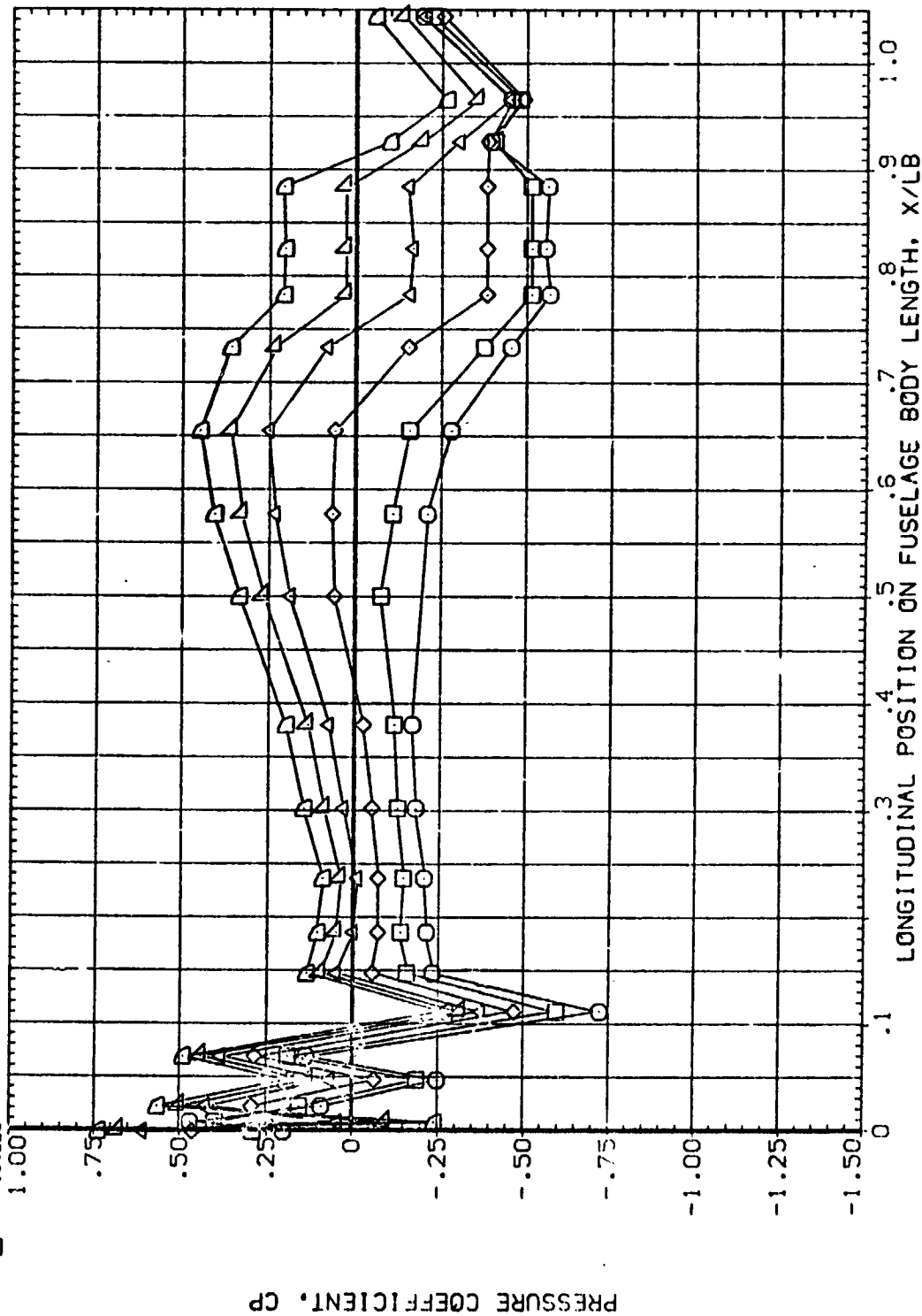


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W1:6E26V8RSX9 LEFT FUSELAGE (R00808)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	-23.000	10.000
◇	-14.250	10.000
△	-14.250	10.000
▽	-14.250	10.000
○	-14.250	10.000

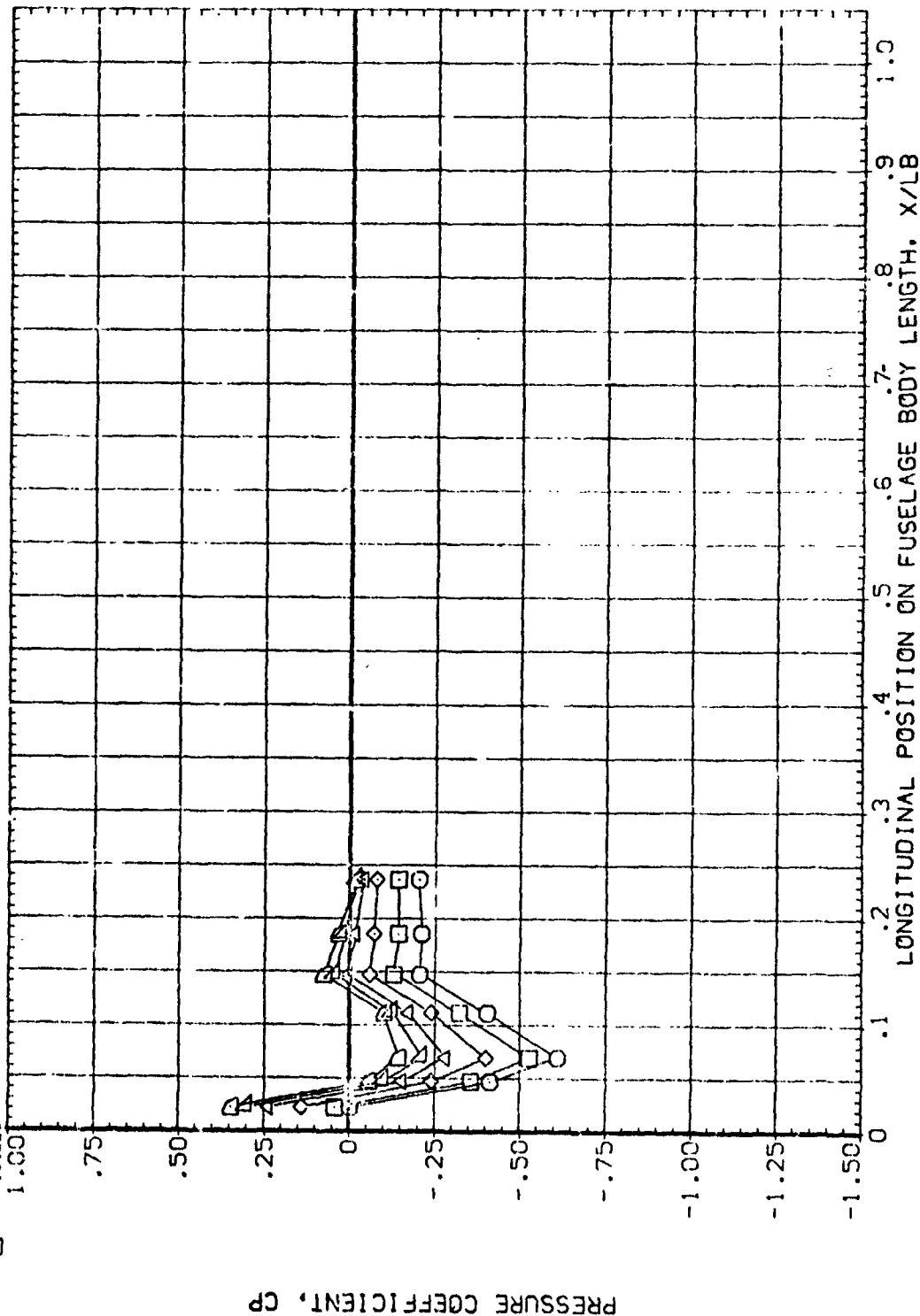


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7FSW116E26V8R5X9 LEFT FUSELAGE (R00B08)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER -000
BDFLAP -14.250 BETA 10.000

ALPHA PH-1 BETA
-2.970 40.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

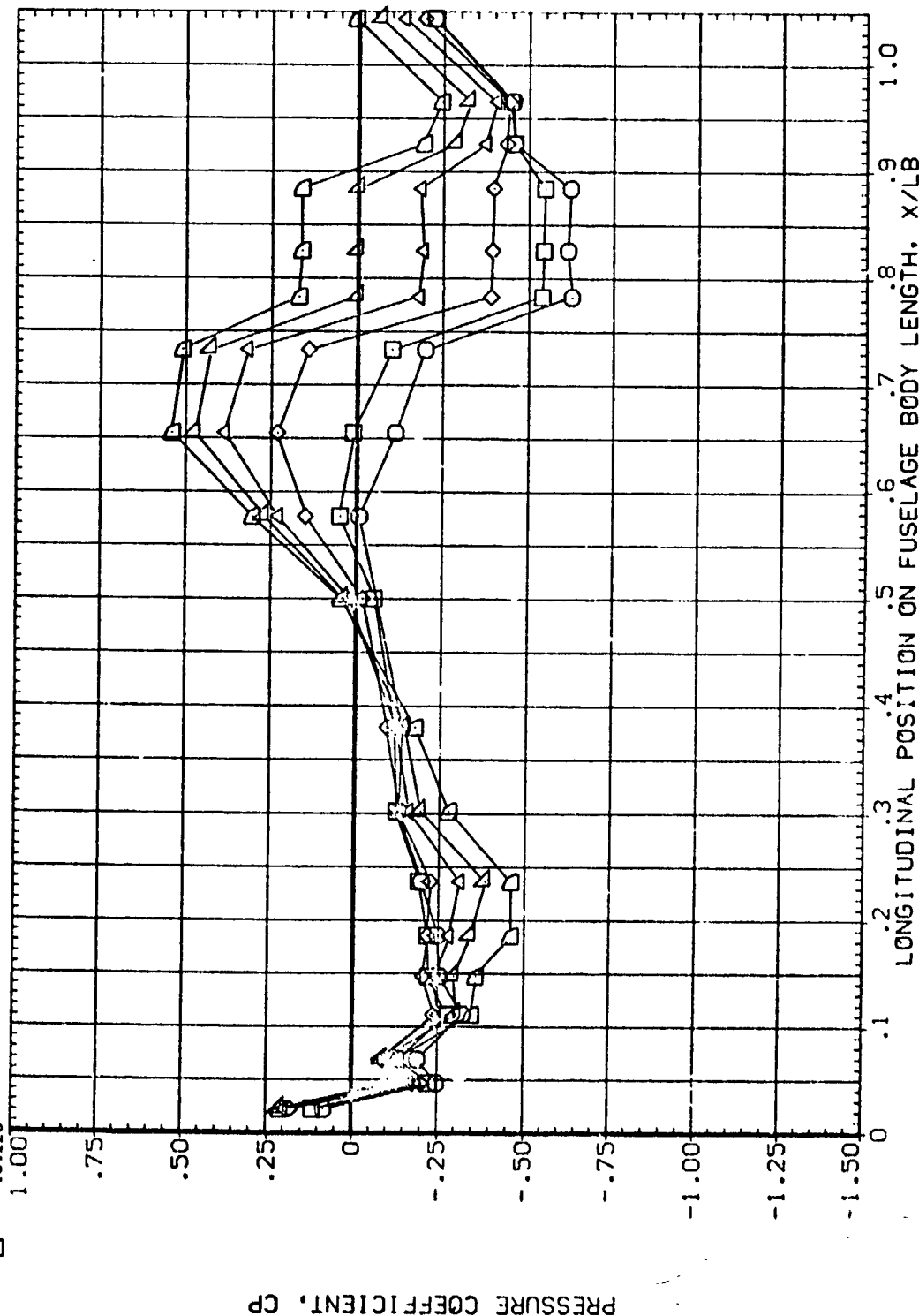


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F9W116E26V8R5X9 LEFT FUSELAGE (RD0808)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
□	-2.970	55.000	10.050	ELEVON -20.000 RUDDER .000
◇	.030			BOFLAP -14.250 BETA 10.000
▽	5.020			
▽	10.120			
▽	13.190			
▽	16.220			

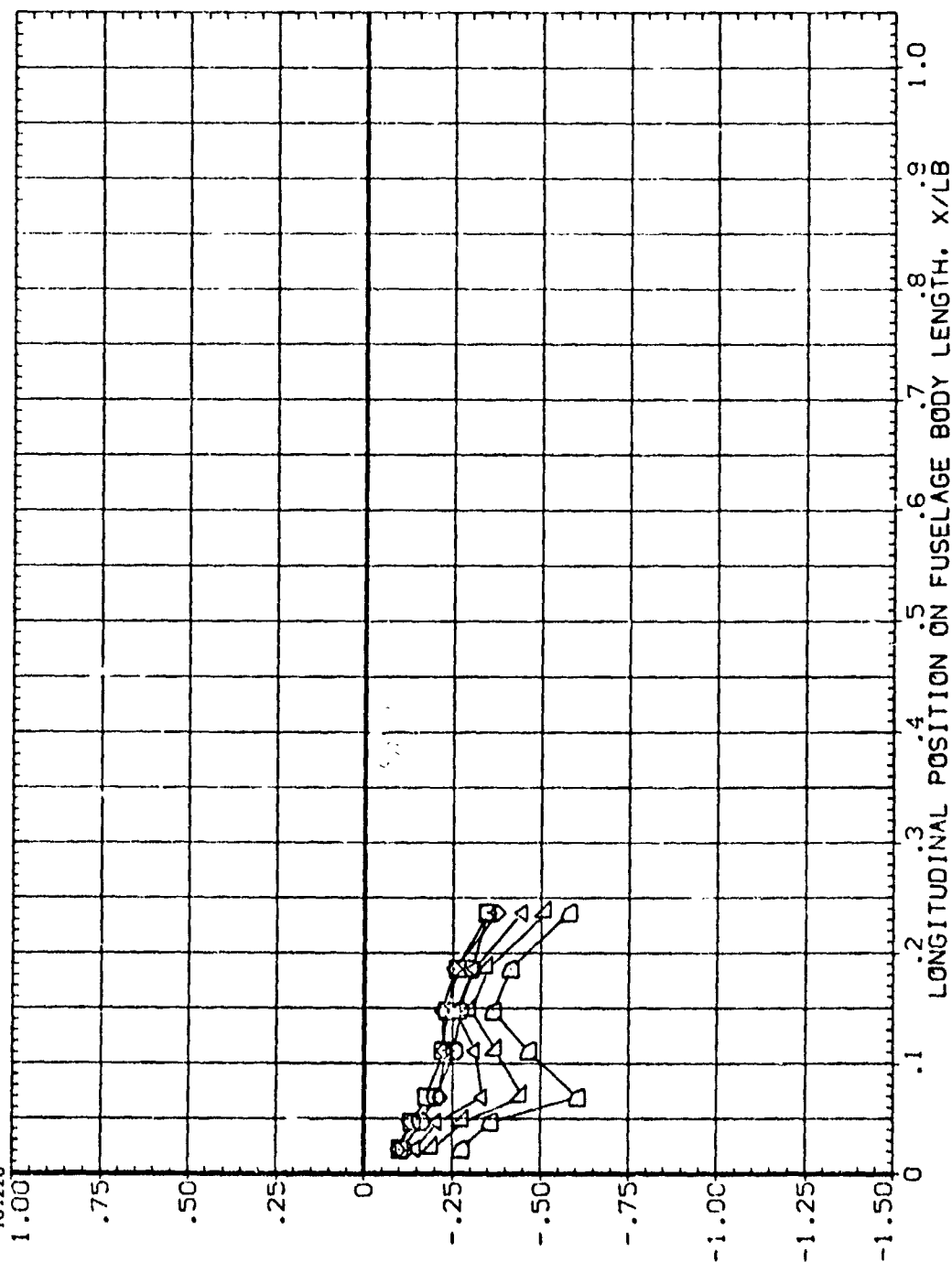


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

(RDQ308)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL
 □ ◇ △ ▽ ▹ ▸

ALPHA
 -2.970
 .030
 5.026
 10.120
 13.190
 16.270

BETA
 10.050

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

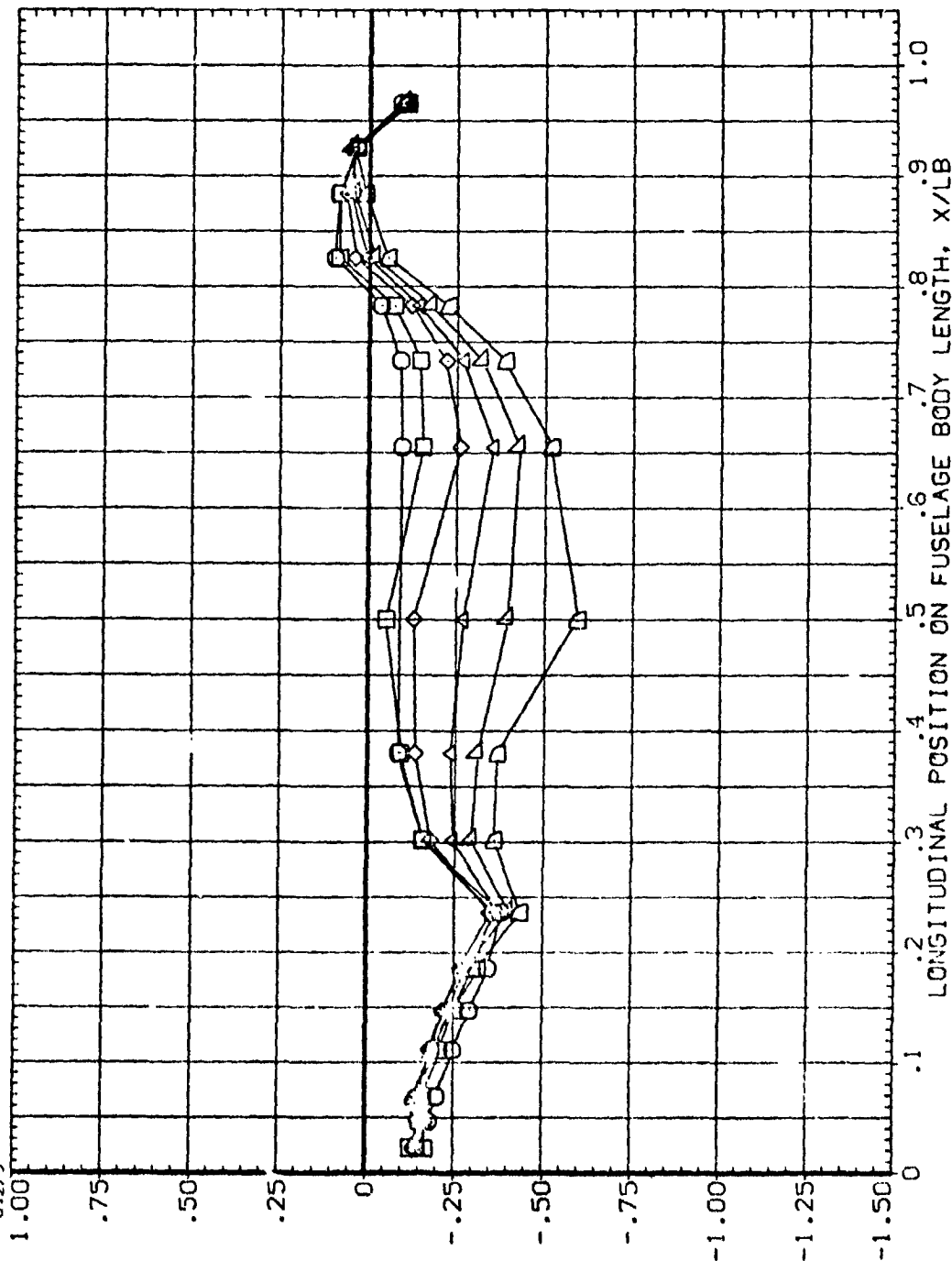


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00808)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
□	-20.000	.000
◇	-14.250	10.000
△		
▽		
○		

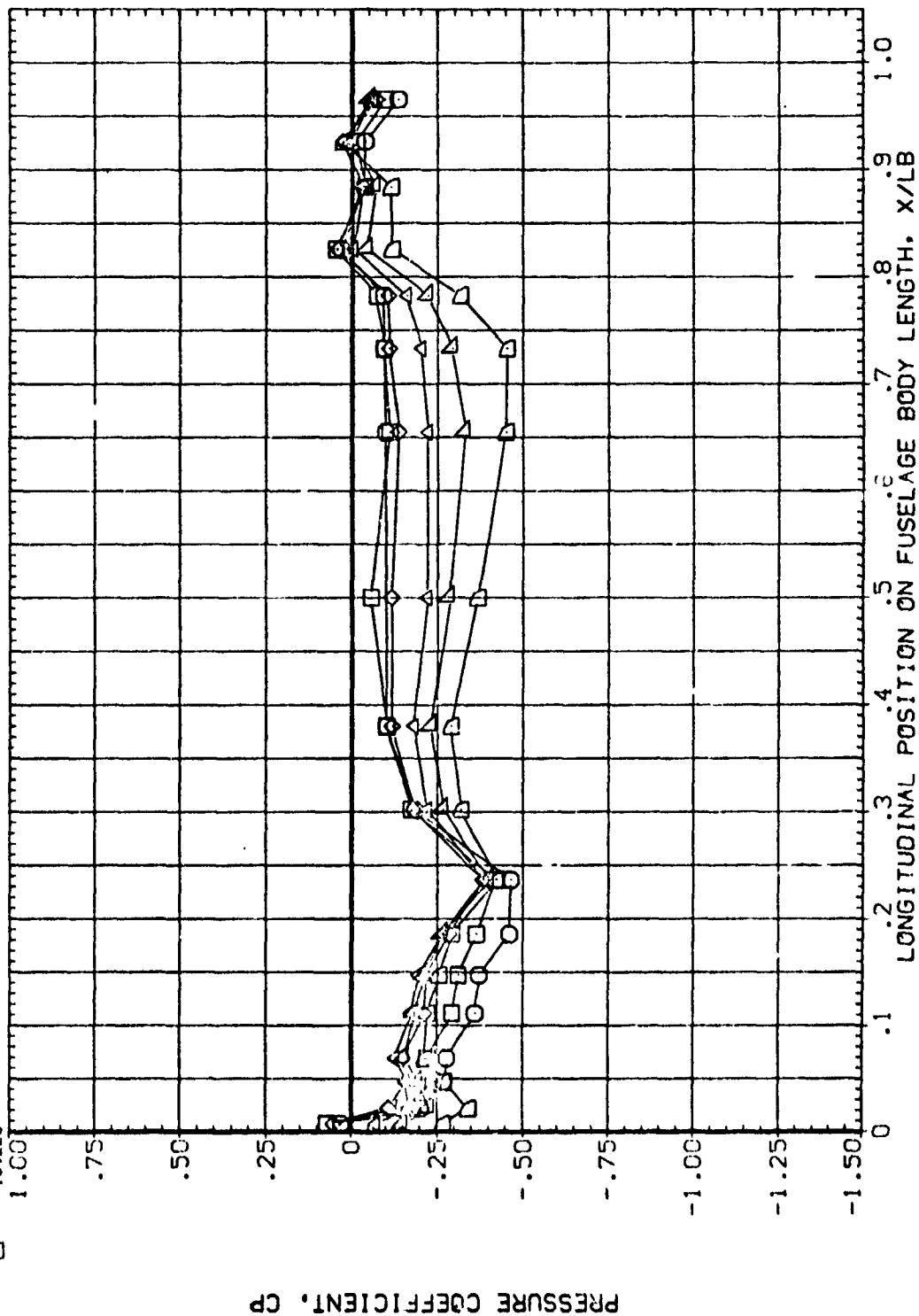


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL

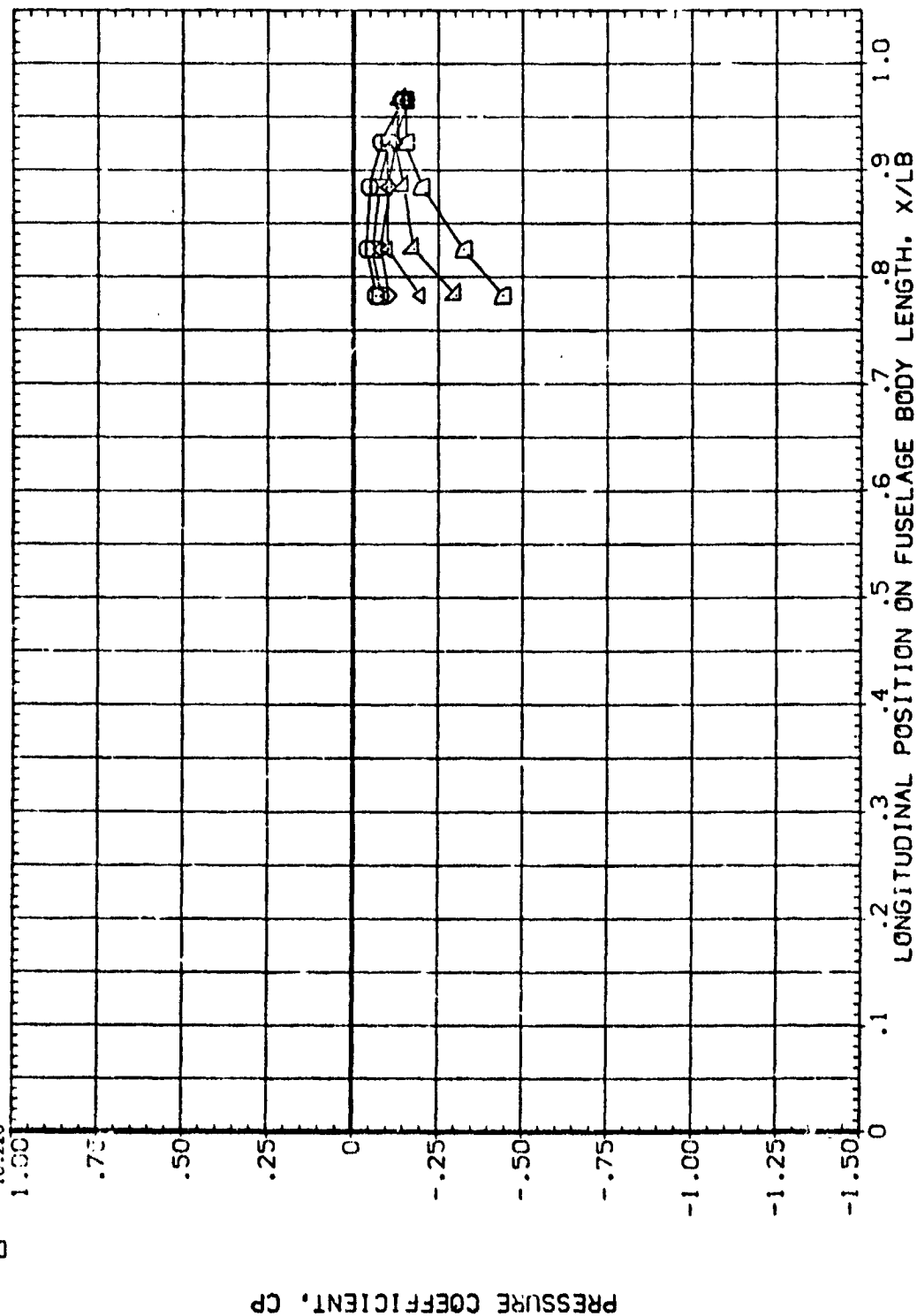


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8#116E26V8R5X9 LEFT FUSELAGE

(R0Q808)

SYMBOL	ALPHA	ONE	BETA	PARAMETRIC VALUES
▽	-2.970	120.000	10.050	ELEVON -20.000 RUDDER .000
◇	-0.030			BD/FLAP -14.250 BETA 10.000
△	5.020			
▽	10.120			
◇	13.190			
△	16.220			

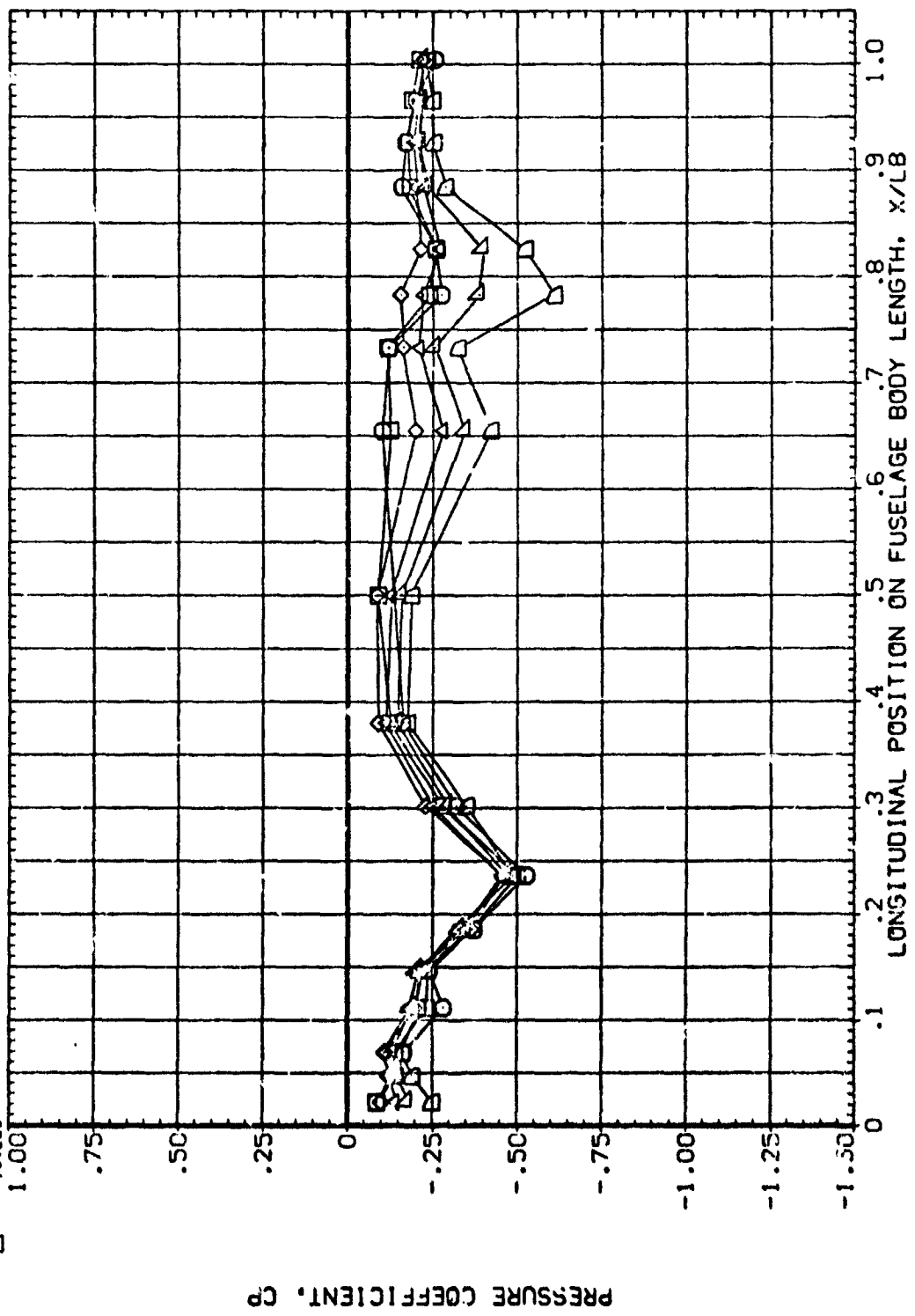


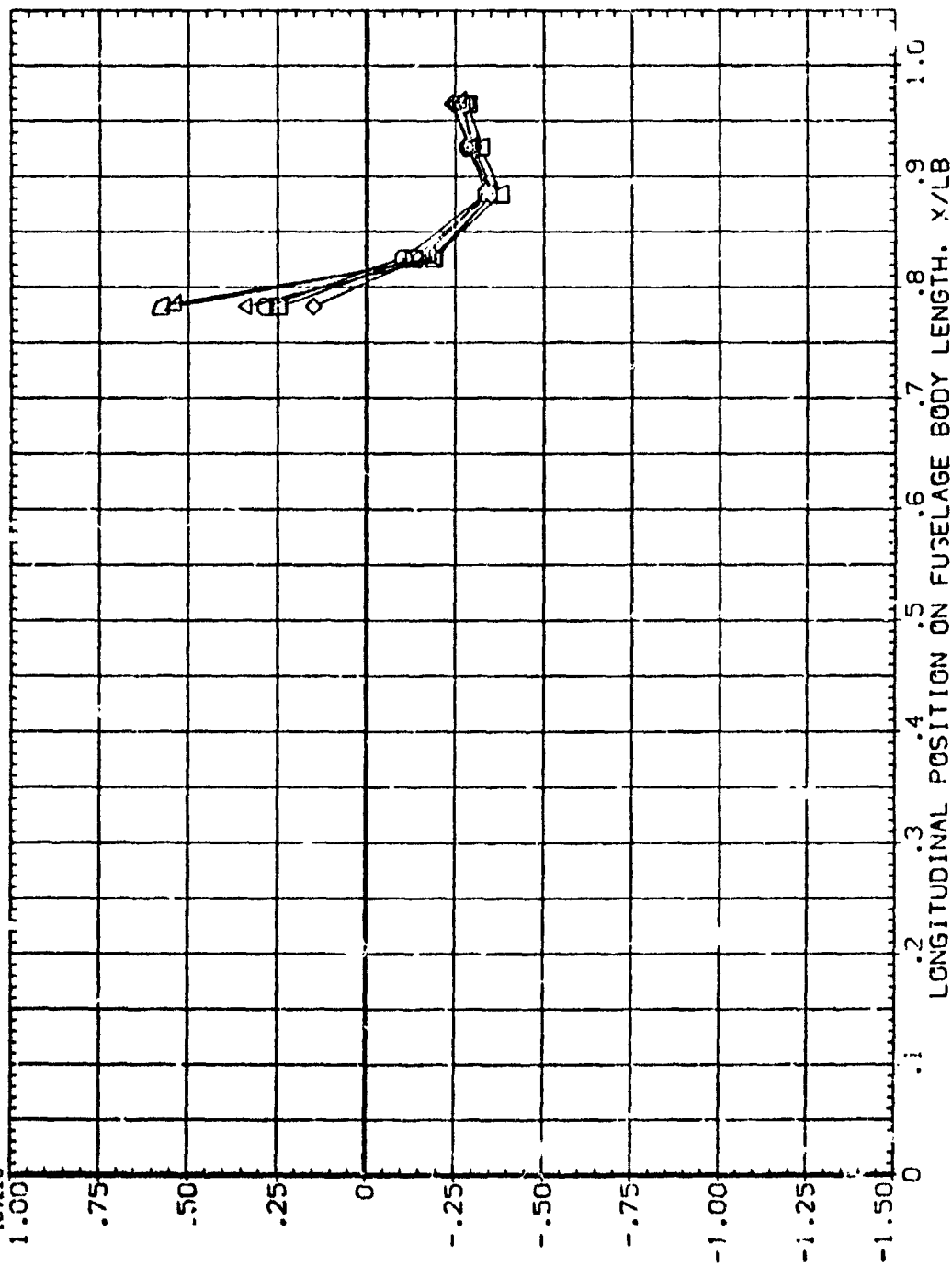
FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDCB08)

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA. PHI BETA
-2.970 135.000 10.050
-0.30
5.020
10.120
13.190
16.220

SYMBOL
▽
◇
□
○
△



PRESSURE COEFFICIENT, CP

FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE (R00B08)
 SYMBOL ALPHA PHI BETA
 -2.970 150.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA 10.000

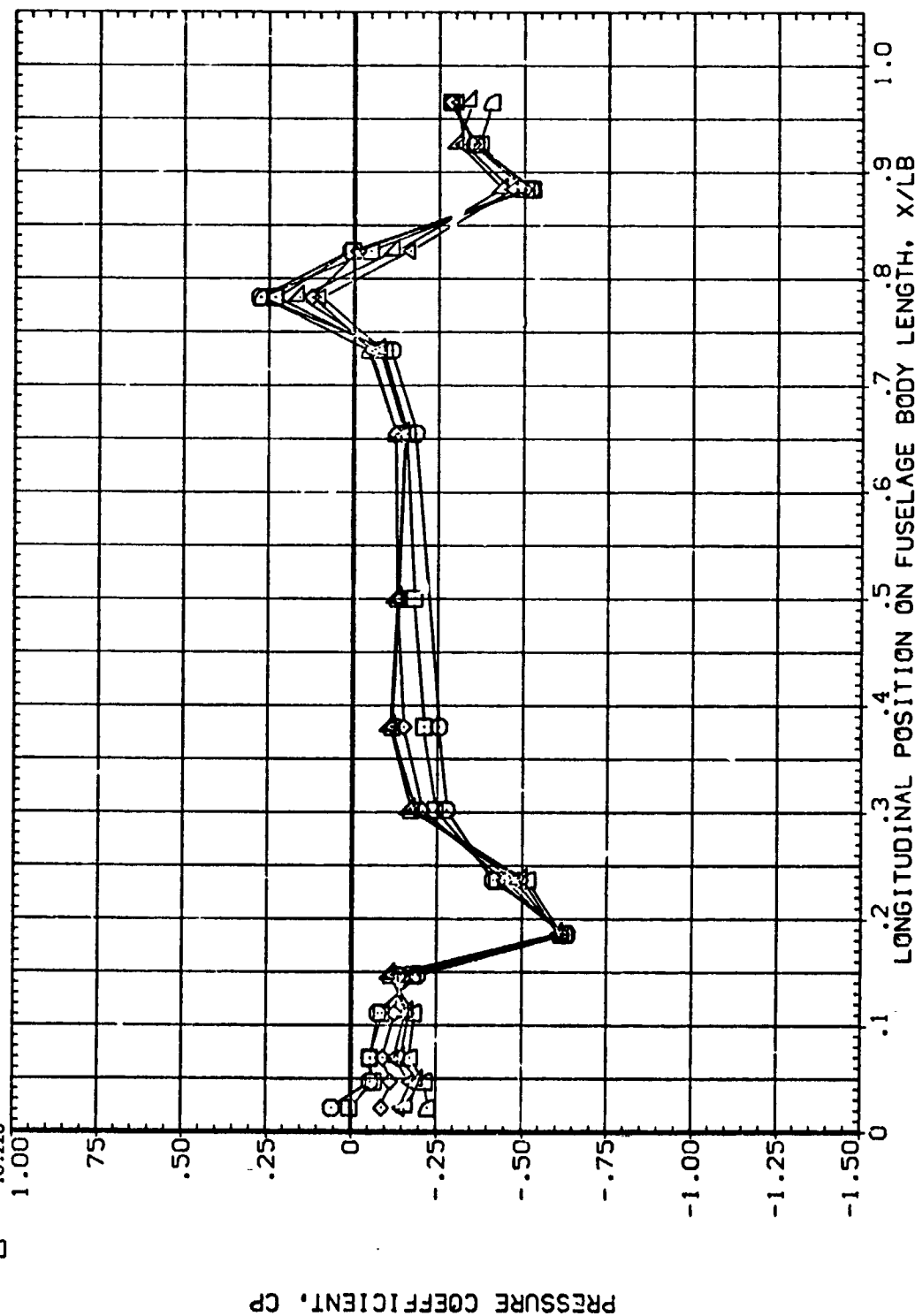


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

(RD0808)

B26C9G15M7F2W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -20.00° RUDDER .000
80FLAP -14.250 BETA 10.000

ALPHA 165.000 BETA 10.050

SYMBOL
□ ◇ △ ▽ ▹ ▸

2.970
5.020
10.120
13.190
16.220

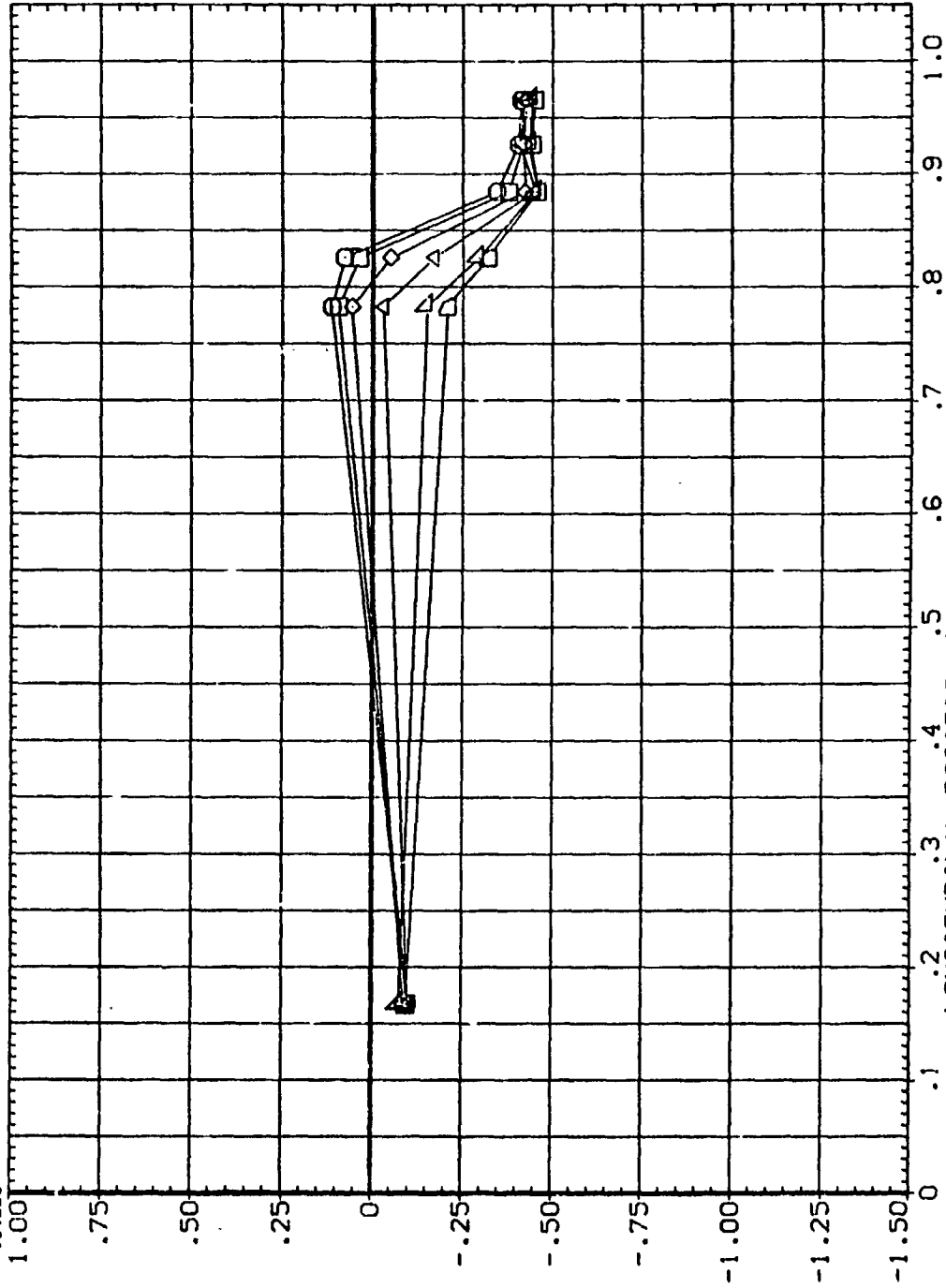


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB08)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	PARAMETRIC VALUES
□	-2.970	180.000	10.050	80FLAP		-20.000
◇	.030					-14.250
△	5.020					10.000
▽	10.120					
○	13.190					
●	16.220					

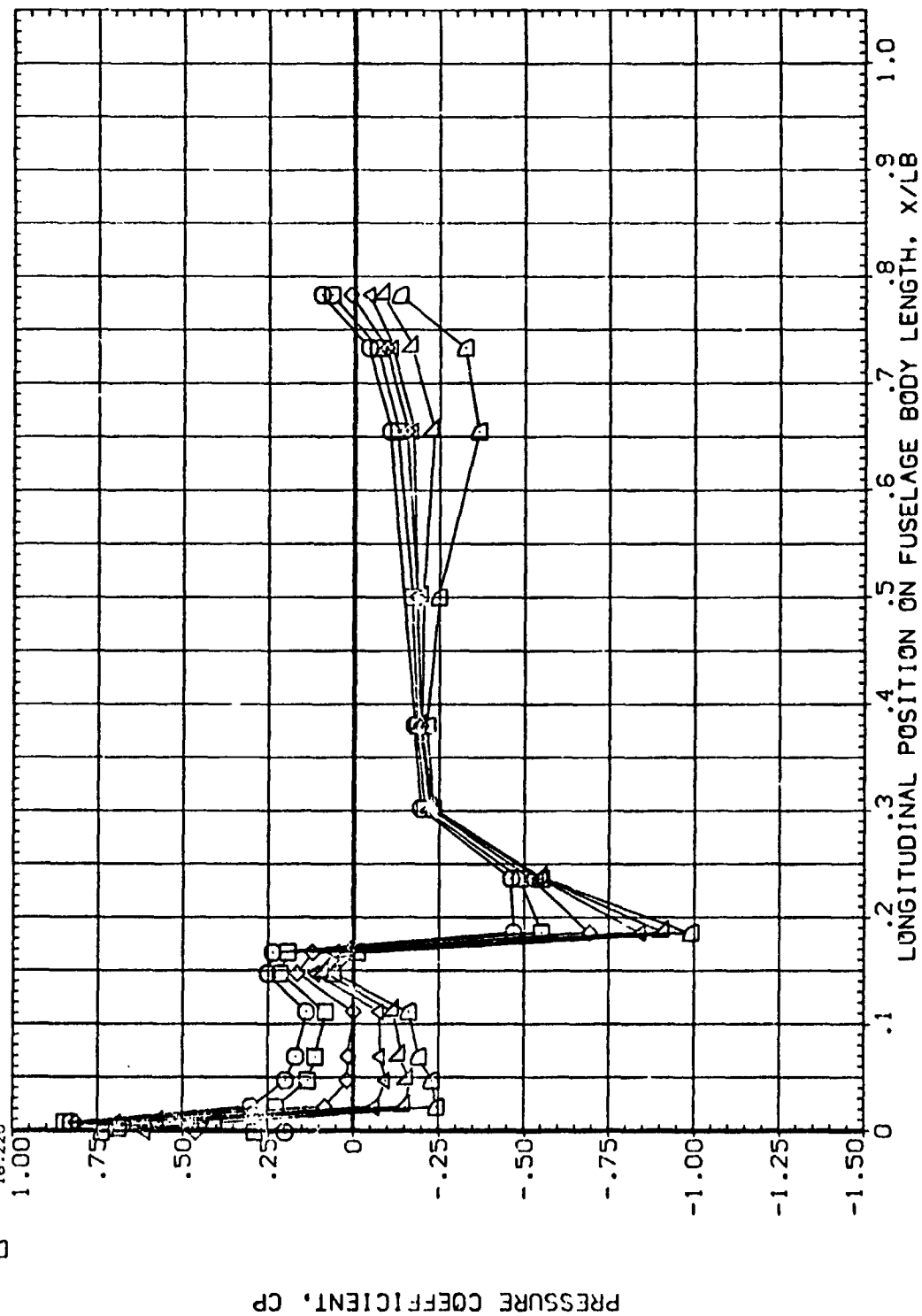


FIG. 15 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R03B09)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PMI BETA
-2.980 .000 -10.060
.020
5.020
10.080
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

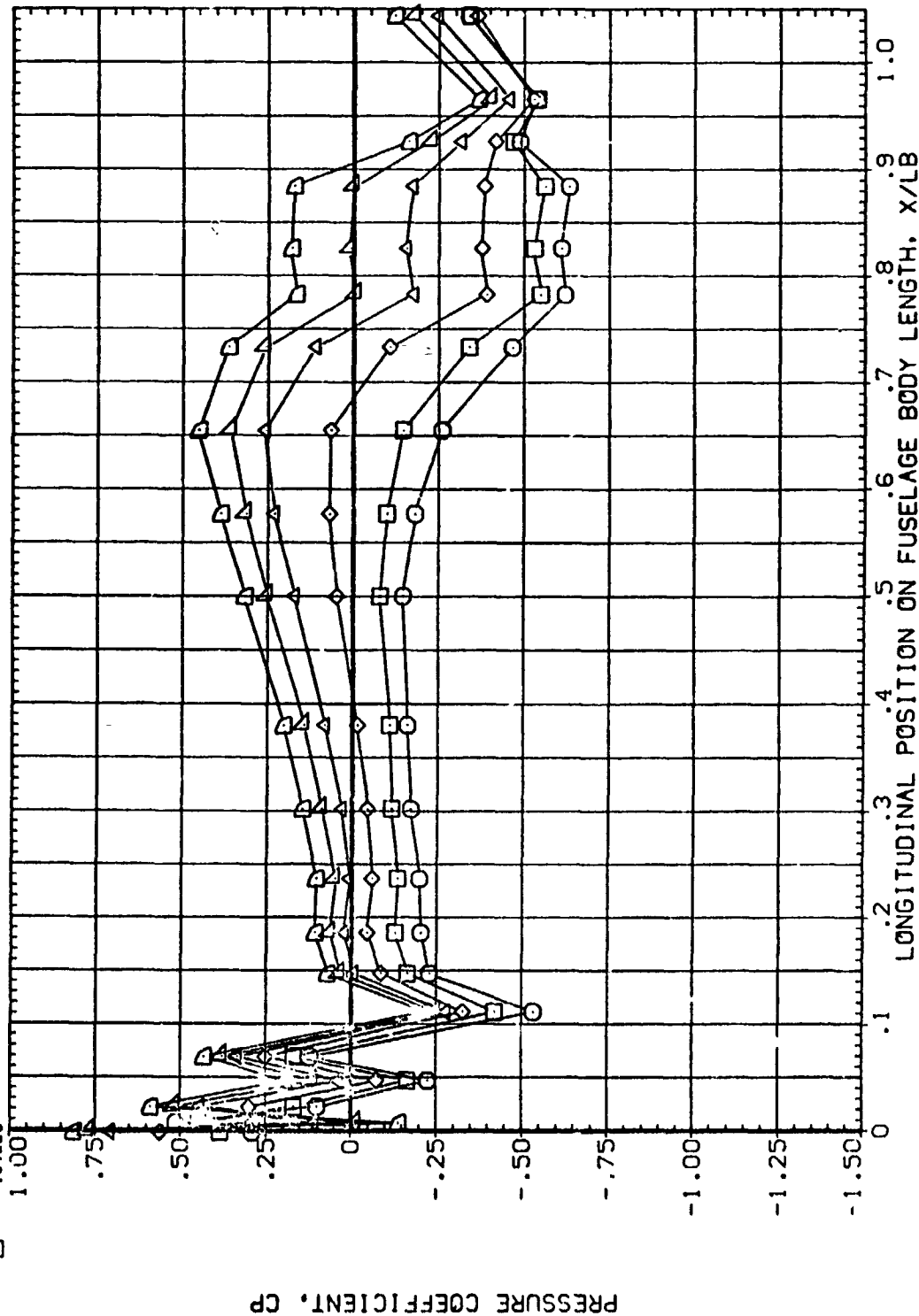


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

(R00809)

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

ALPHA	PHI	BETA
-2.980	20.000	-10.060

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER .000
8DFLAP	-14.250 BETA -10.000

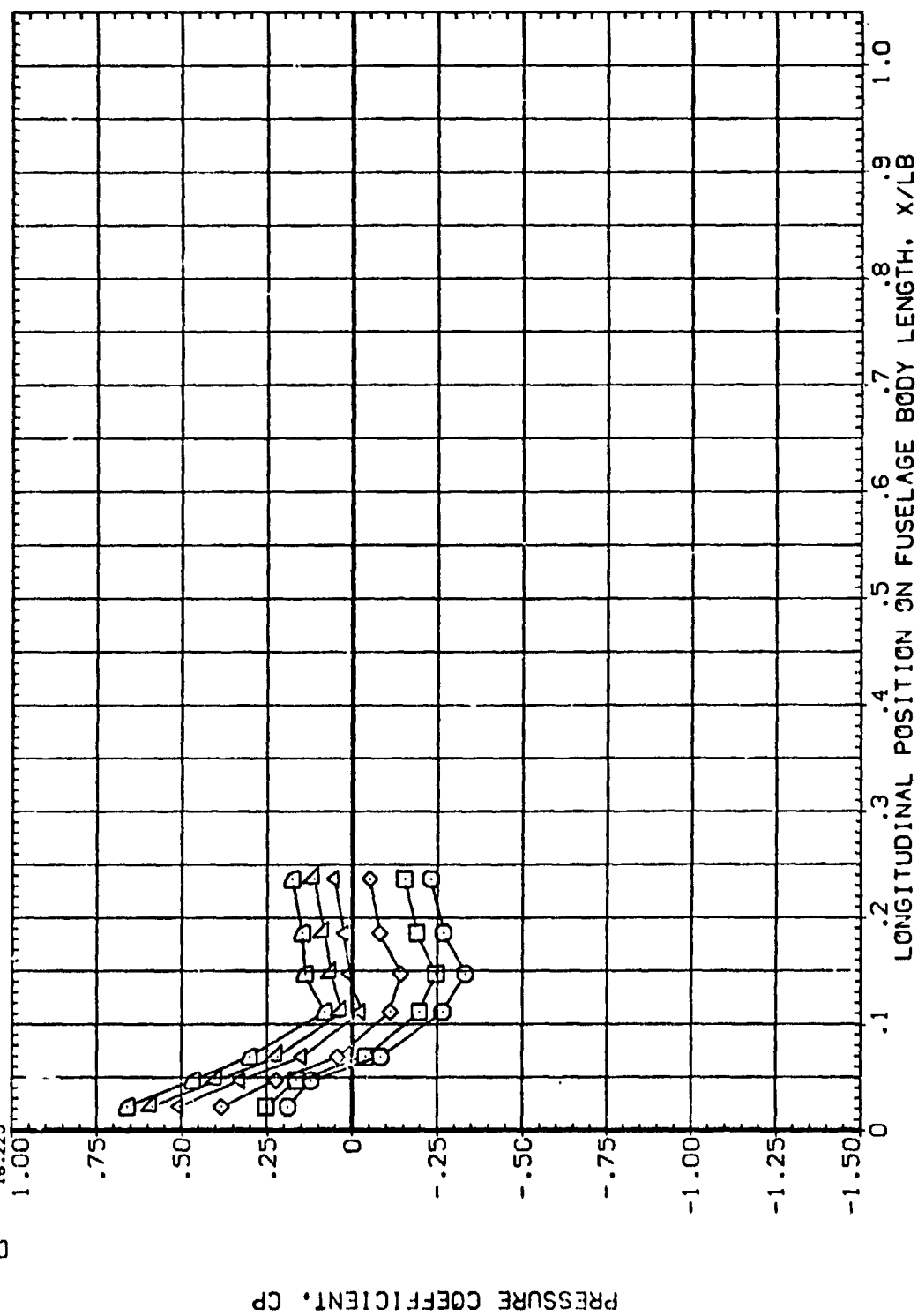


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQ809)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 40.000 -10.060

SYMBOL
□ ▽ ▴ ▾

5.020
10.090
13.190
16.220

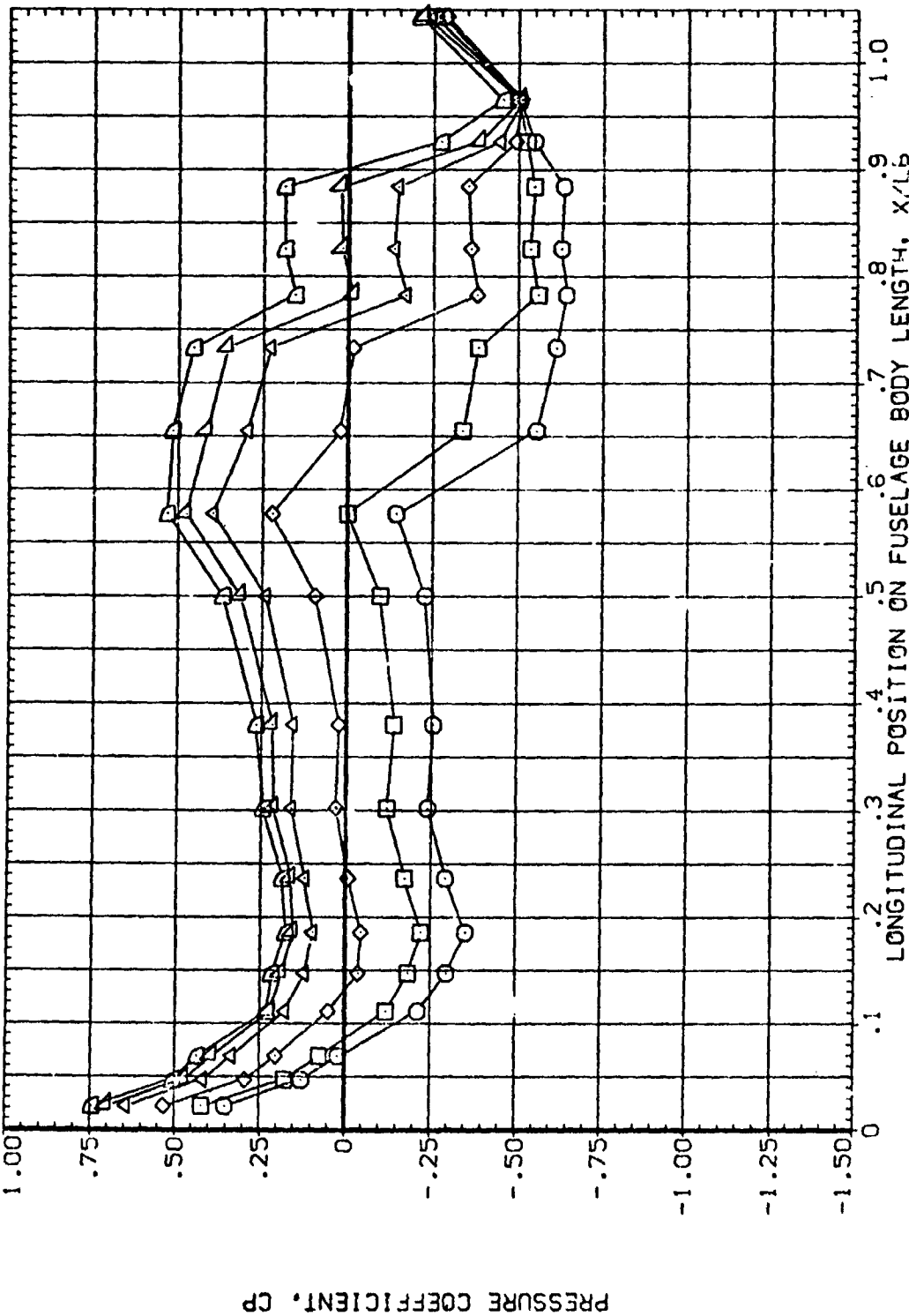


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R09809)

PARAMETRIC VALUES	
ELEVON	RUDDER
-40.000	.000
BD FLAP	BETA
-14.250	-10.000

SYMBOL	ALPHA	PHI	BETA
□	-2.980	55.000	-10.060
◇	.020		
△	5.020		
▽	10.030		
▽	13.192		
▽	16.223		

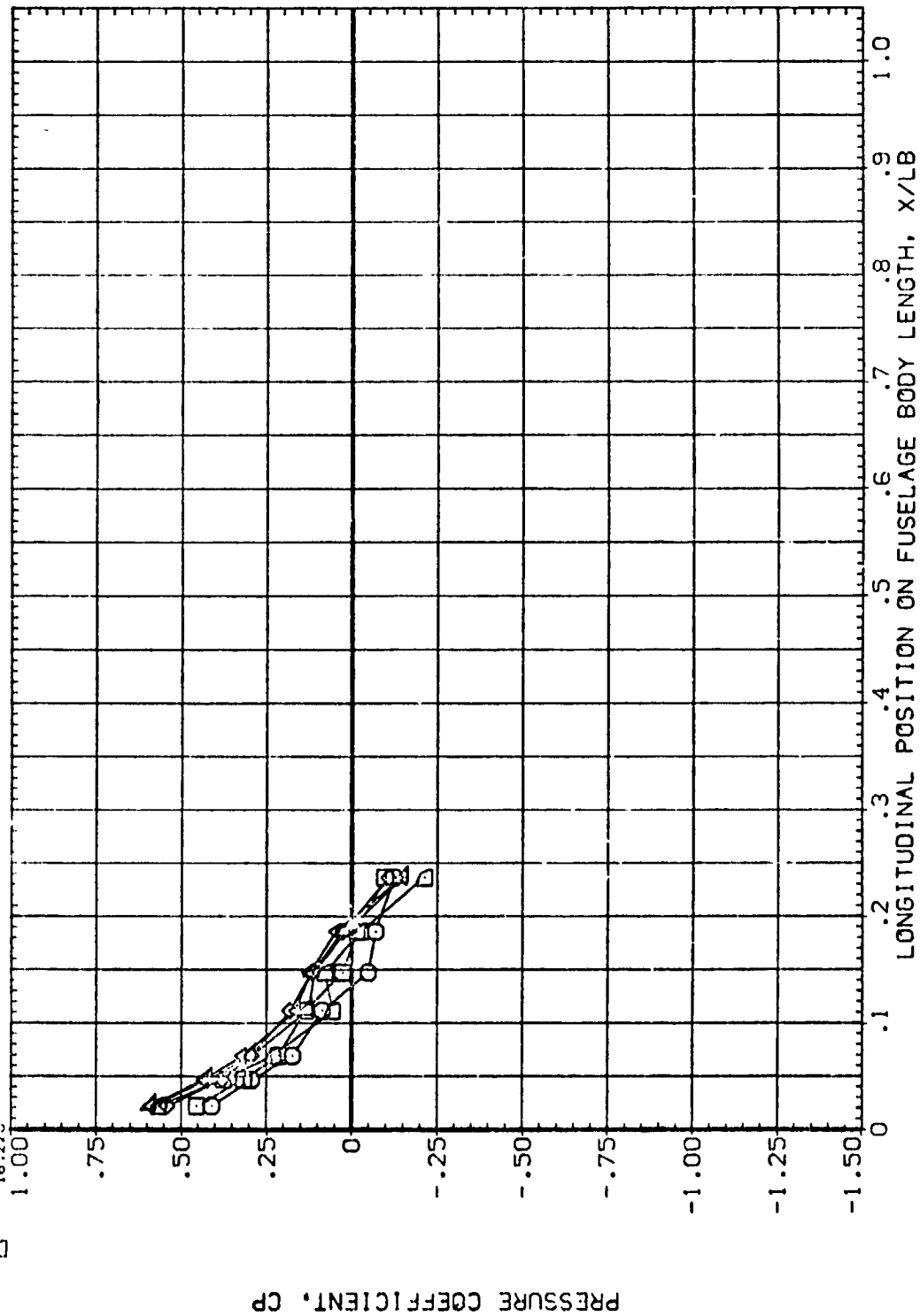


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB09)

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

SYMBOL ALPHA PHI BETA
 □ -2.980 70.000 -10.000
 ◇ .020
 △ 5.020
 ○ 10.090
 ◊ 13.190
 ◑ 16.220

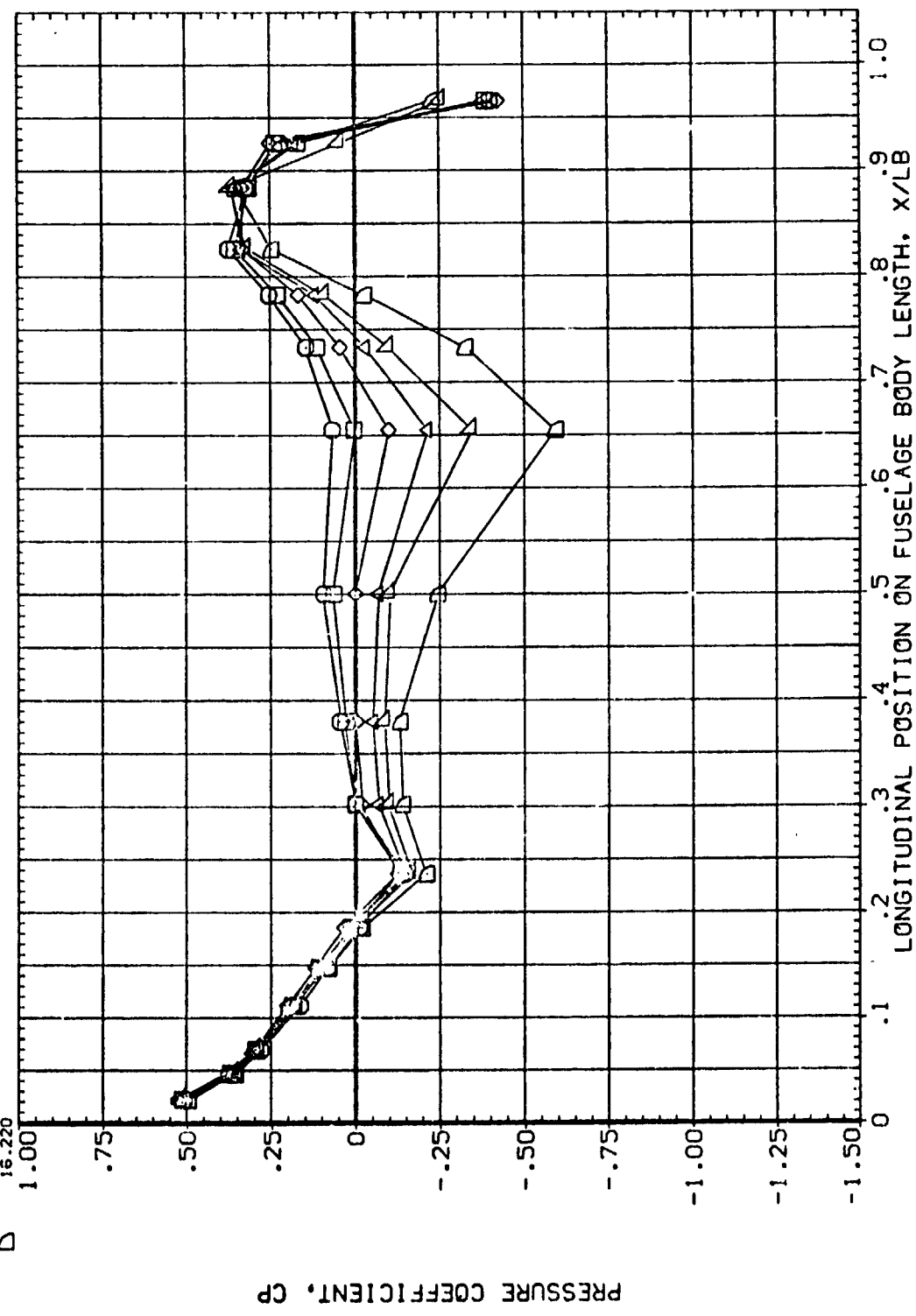


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10
 PAGE 116

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0B09)

SYMBOL	ALPHA	PHI	BETA	ELEVON	RUDDER	BETA
○	-2.930	90.000	-10.060	-40.000		.000
◇	.020			-14.250		-10.000
△	5.020					
▽	10.090					
□	13.190					
◇	16.220					

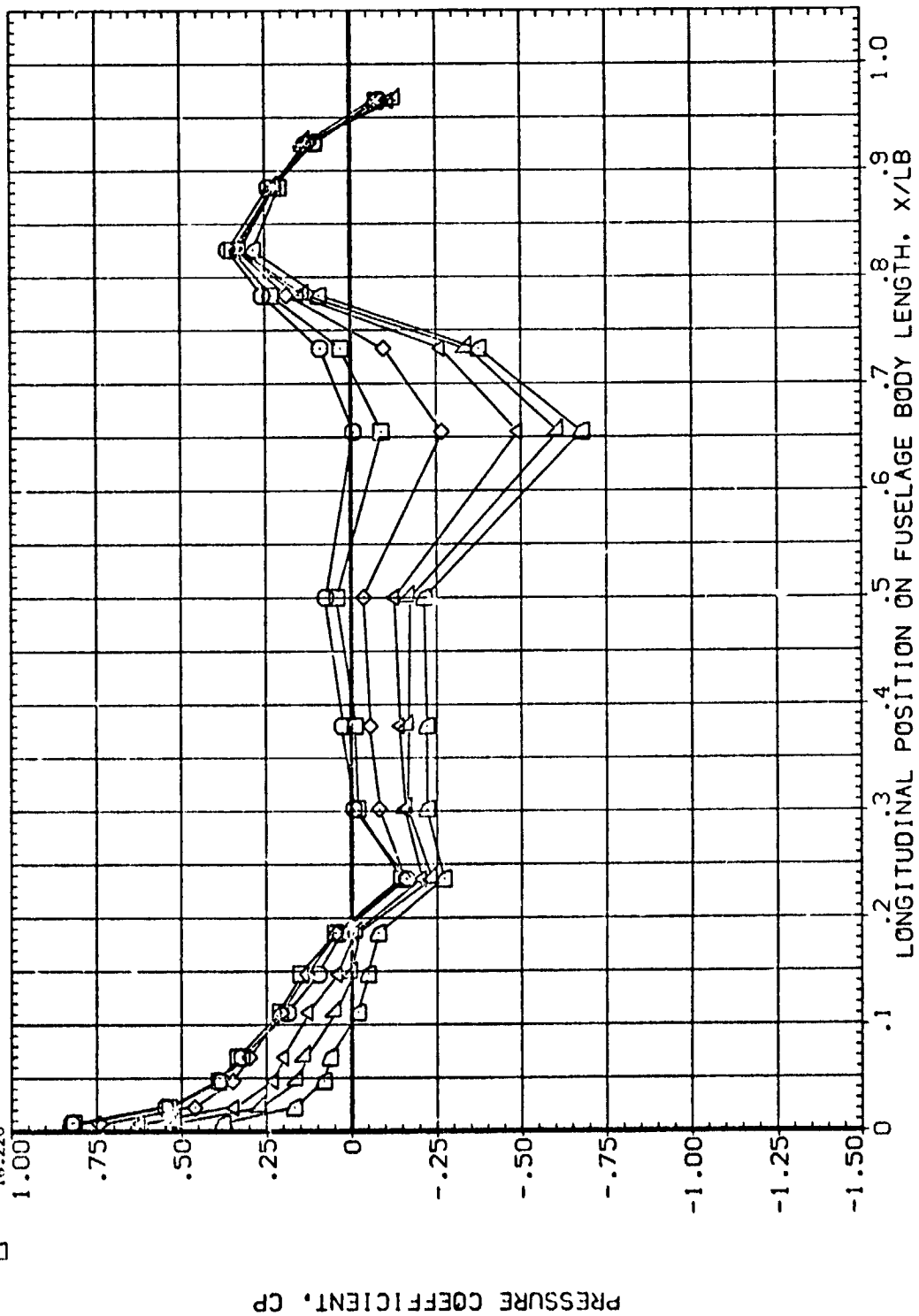


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

(RDQB09)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 105.000 -10.060
-020
5.020
10.090
13.190
16.220

SYMBOL
□◇□◇□◇□◇

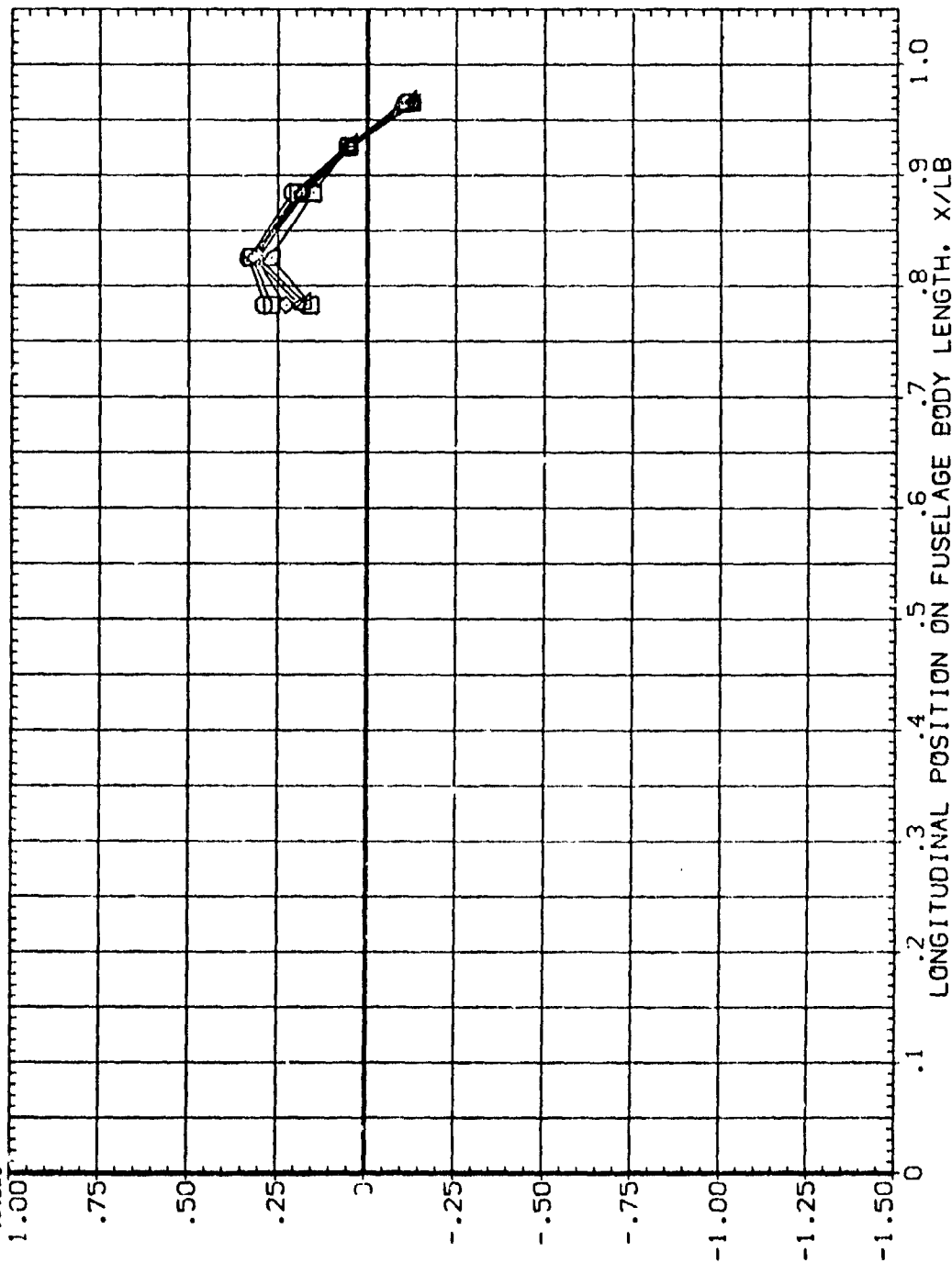


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00809)

SYMBOL	ALPHA	PHI	BETA	PARAMETRIC VALUES
○	-2.980	120.000	-10.060	ELEVON -40.000
◇	.020			RUDDER .000
□	5.020			BOFLAP -14.250
△	10.090			BETA -10.000
▽	13.190			
▽	16.220			

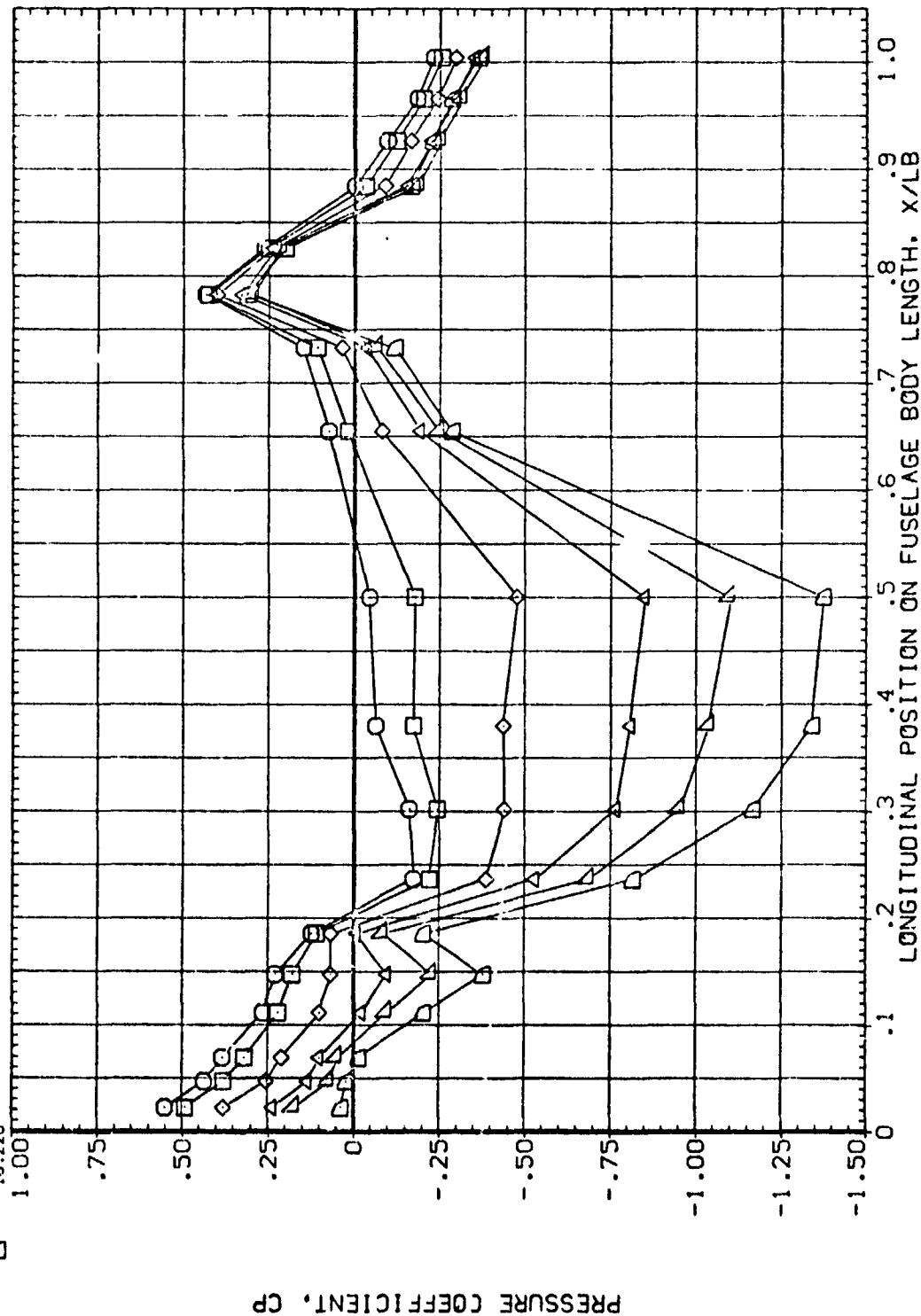


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

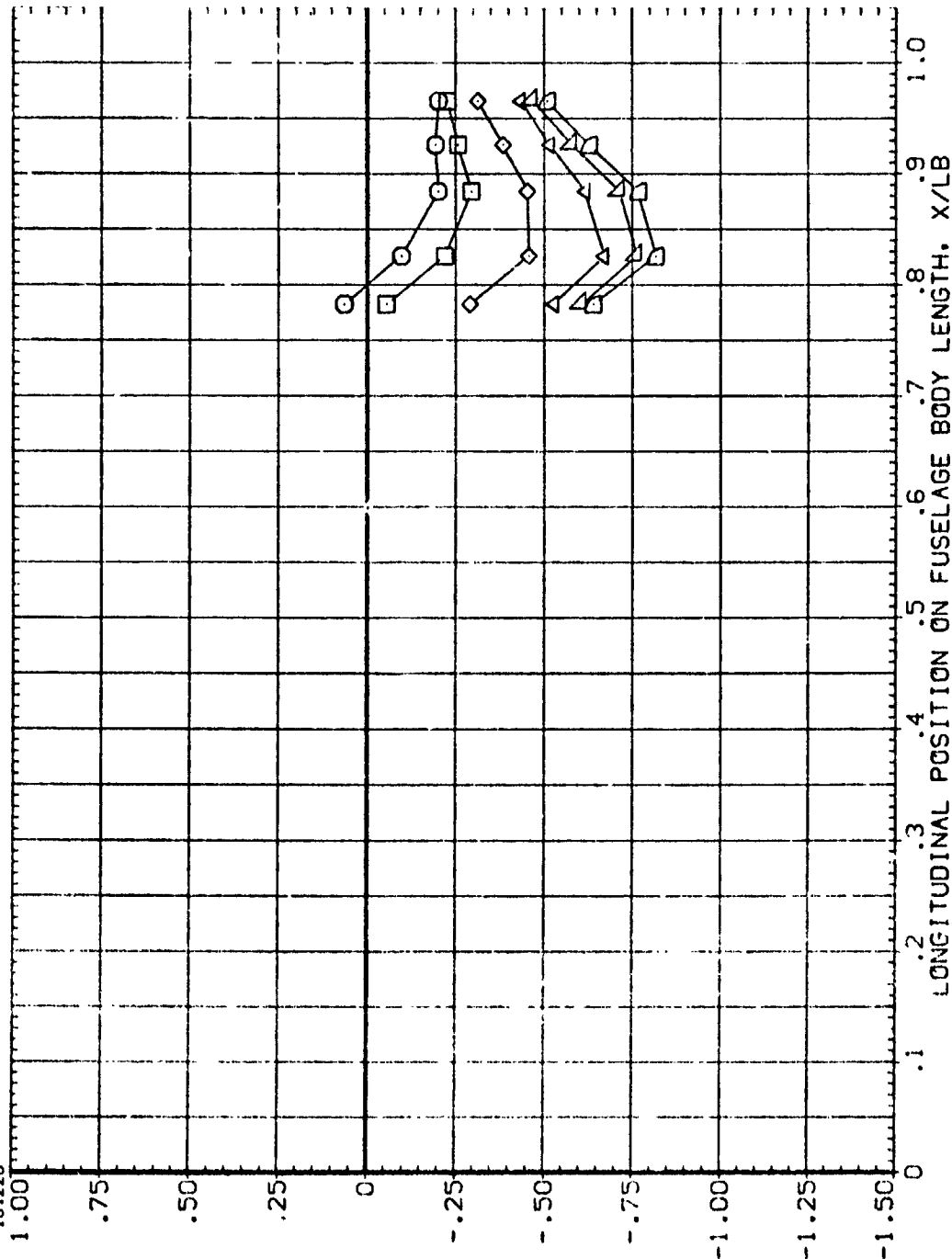
(R00809)

B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA -10.000

ALPHA -2.980 PHI 135.000 BETA -10.080
-0.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▿



PRESSURE COEFFICIENT, CP

FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0GB09)

PARAMETRIC VALUES
ELEVON -40.030 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 150.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ▽ ▴ ▾

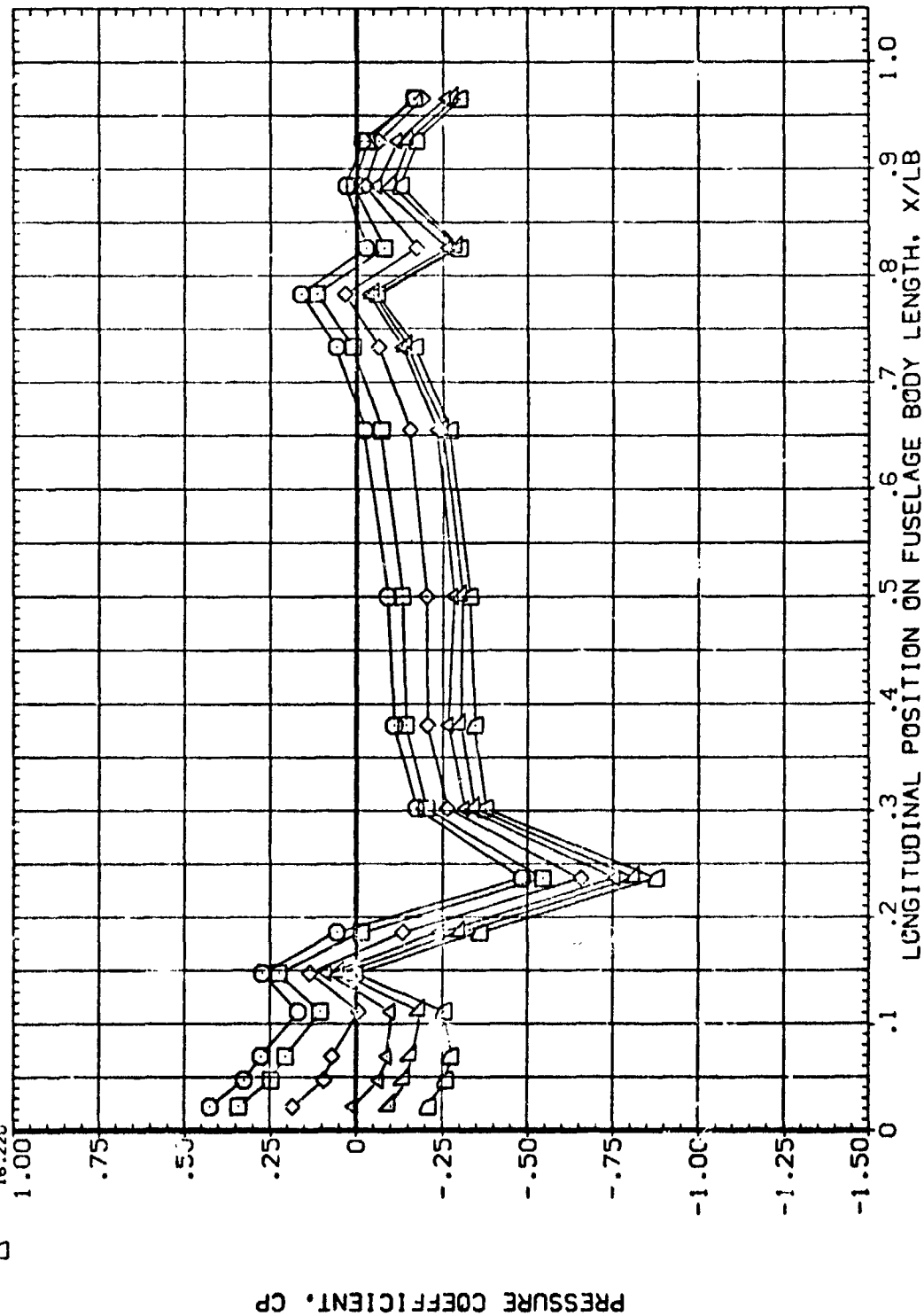


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDCB09)

SYMBOL
 □
 ◇
 △
 ○
 ○

ALPHA
 -2.980
 .020
 5.020
 10.090
 13.190
 16.220

PHI
 165.000

BETA
 -10.060

PARAMETRIC VALUES
 ELEVON -40.000
 RUDDER
 BDFLAP -14.50
 BETA -10.000

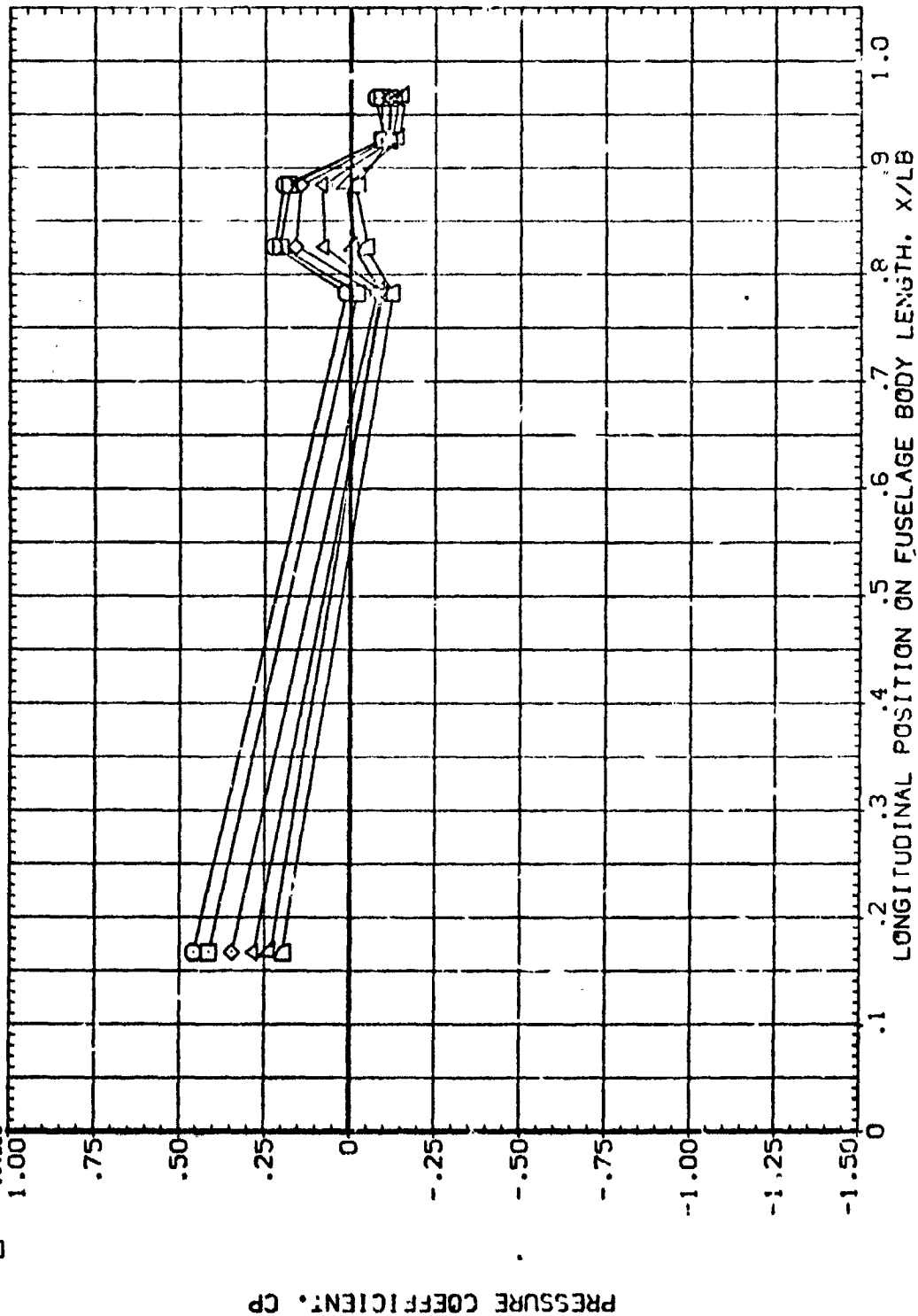


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00809)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BETAP -14.250 BETA -10.000

ALPHA PHI BETA
-2.980 180.000 -10.060
.020
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▿ ▸ ▹ ▸ ▹ ▸ ▹

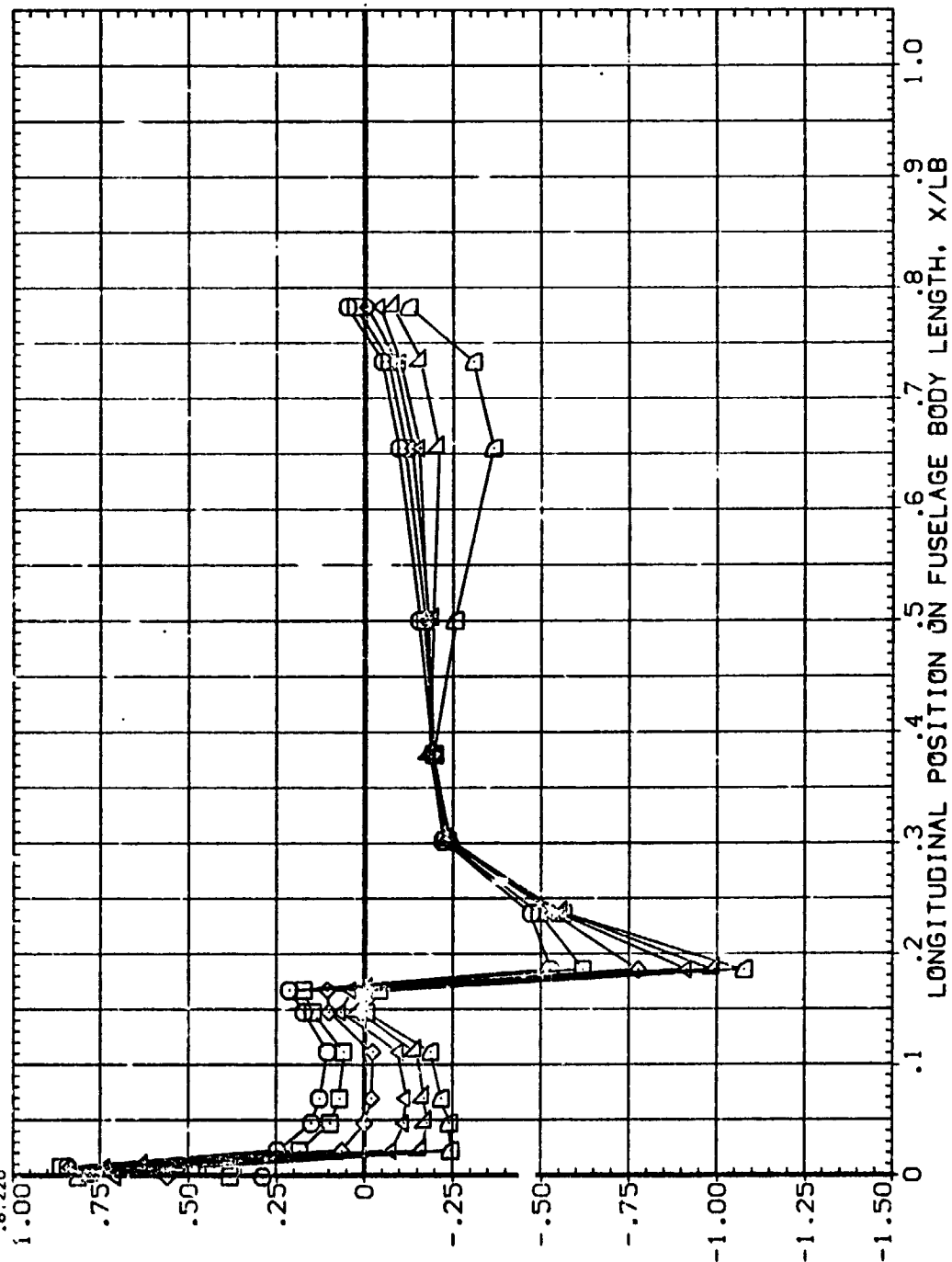


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B10)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
□	-2.950	.000	-.010	-40.000		RUDDER
◇	.050			-14.250		BETA
△	5.030					
▽	10.100					
▽	13.220					
▽	16.240					

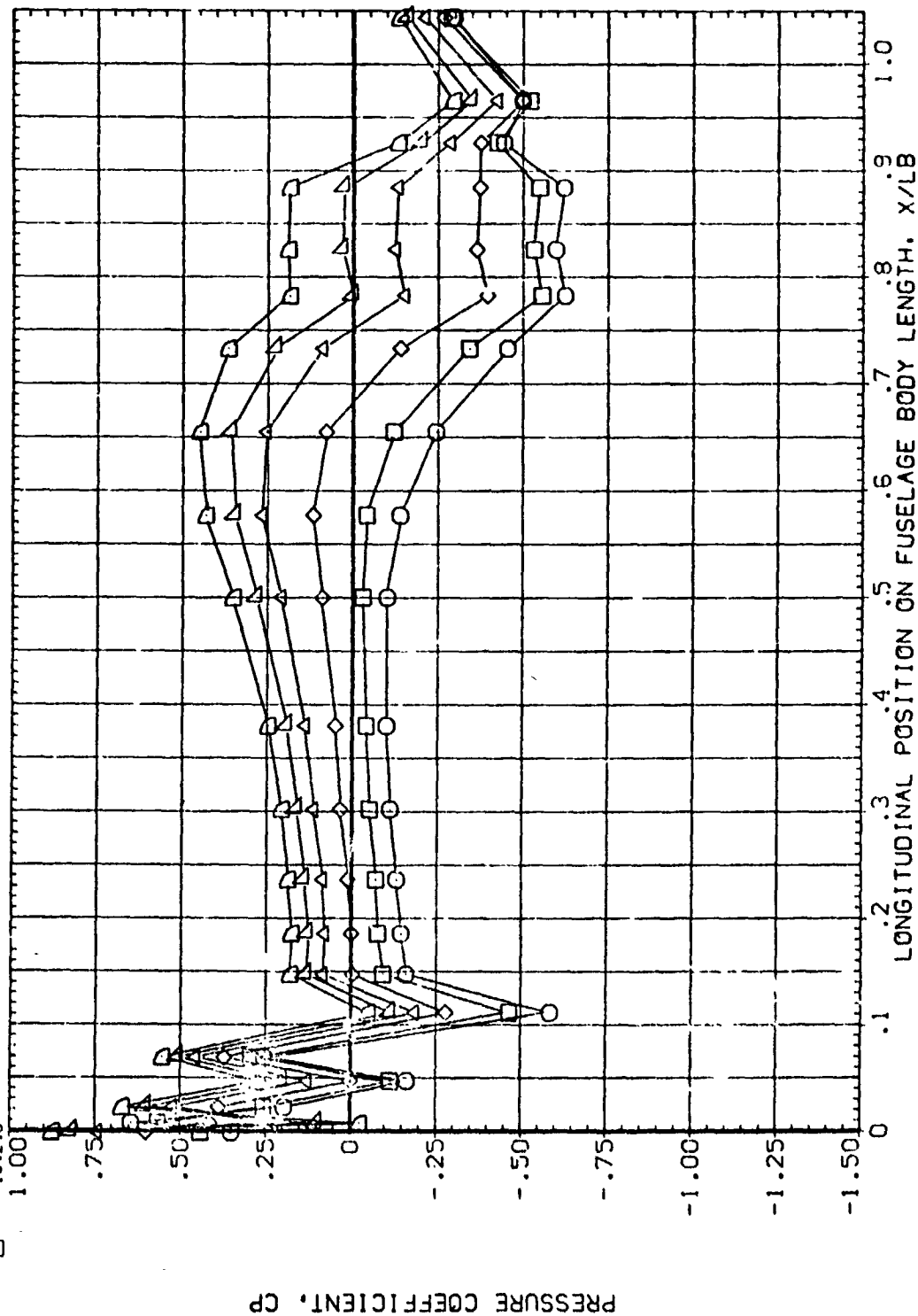


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B10)

SYMBOL	ALPHA	PHI	BETA	ELEVON	BDFLAP	RUDDER	BETA
□	-2.950	20.000	-0.010	-40.000	-14.250	.000	.000
◇	.050						
△	5.030						
▽	10.100						
◊	13.220						
◊	16.240						

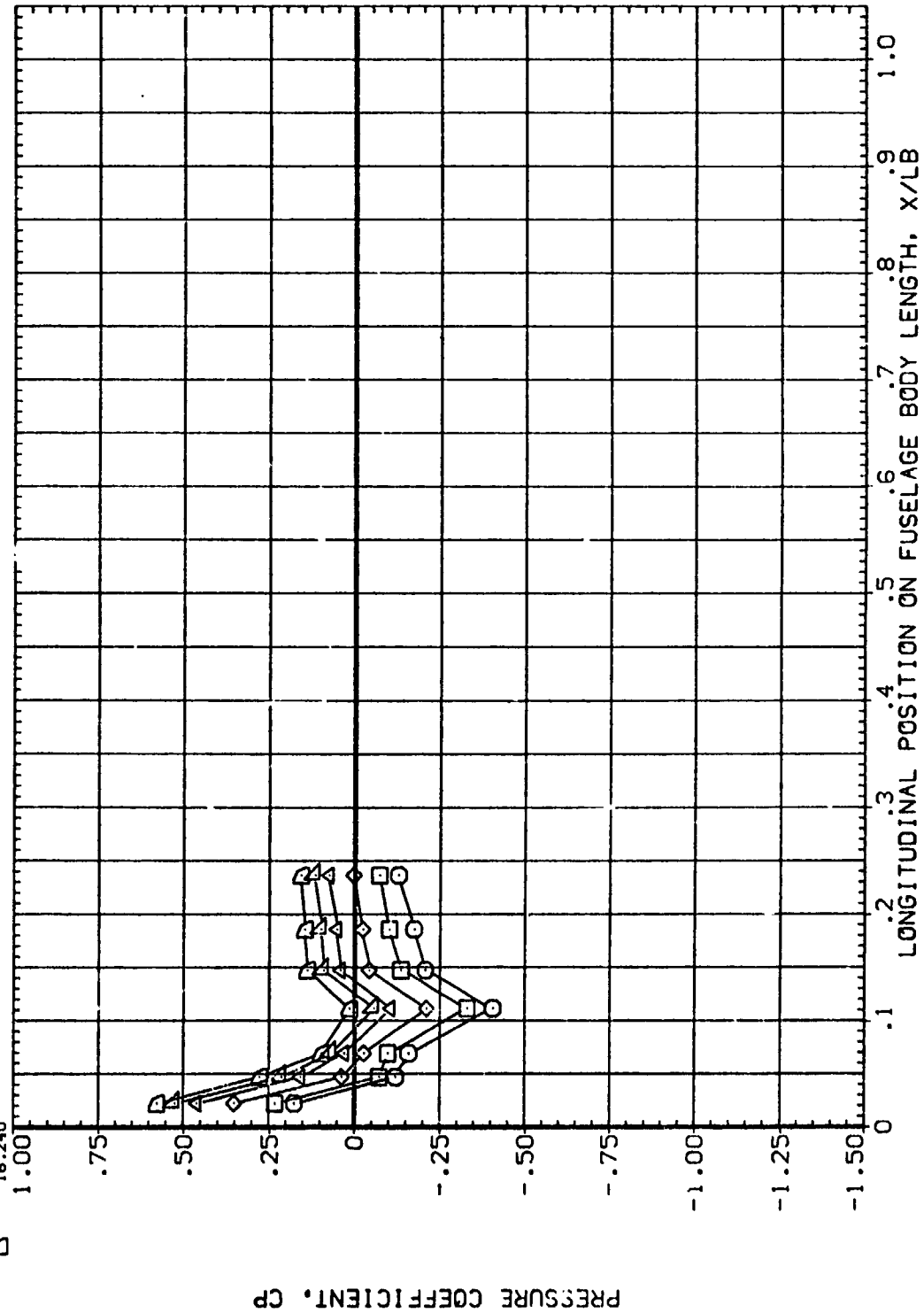


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00810)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 40.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
□◇△▽

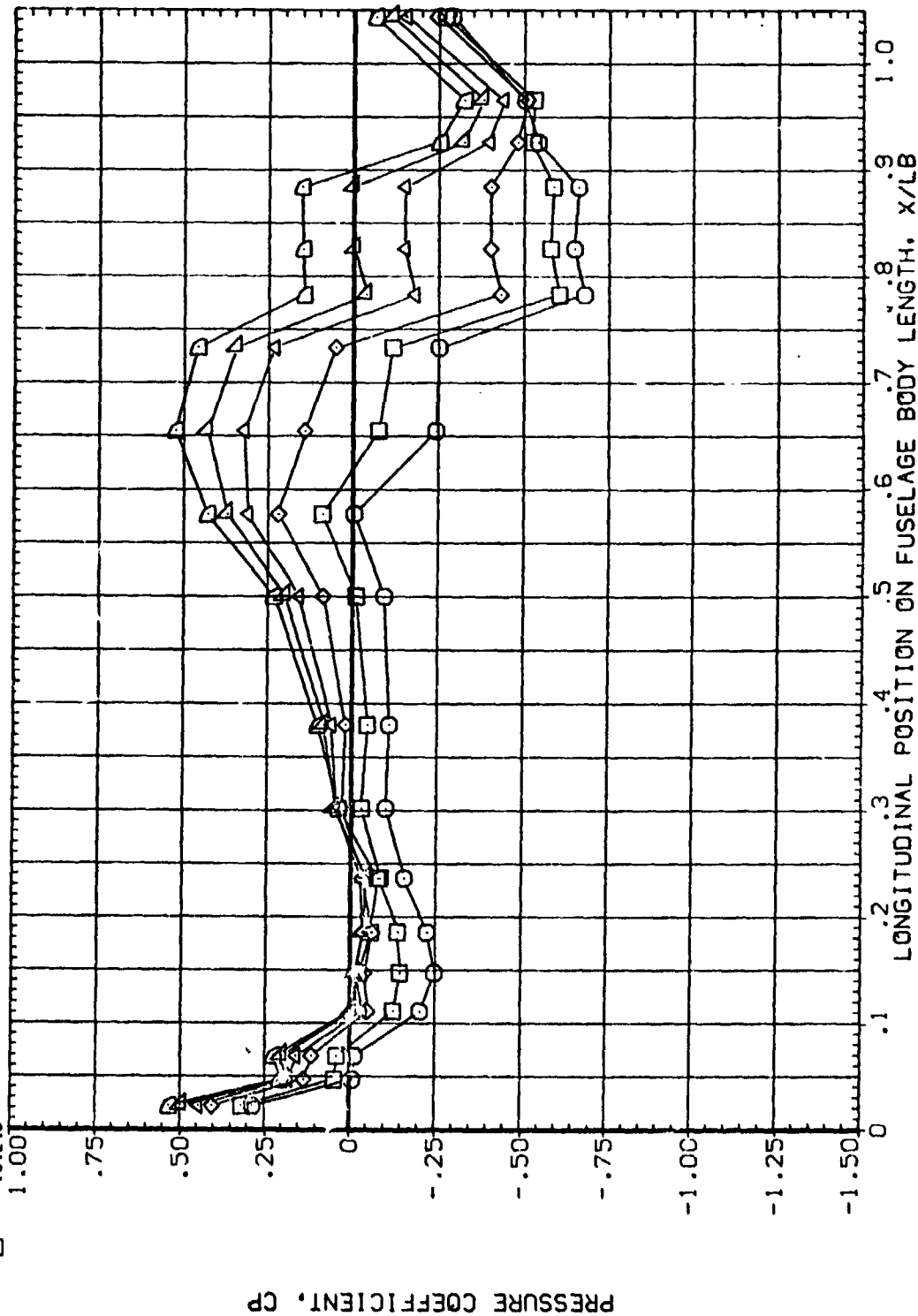


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0810)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

PHI 55.000 BETA -.010

SYMBOL
□ ▽ ◆ ◇ ▽

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

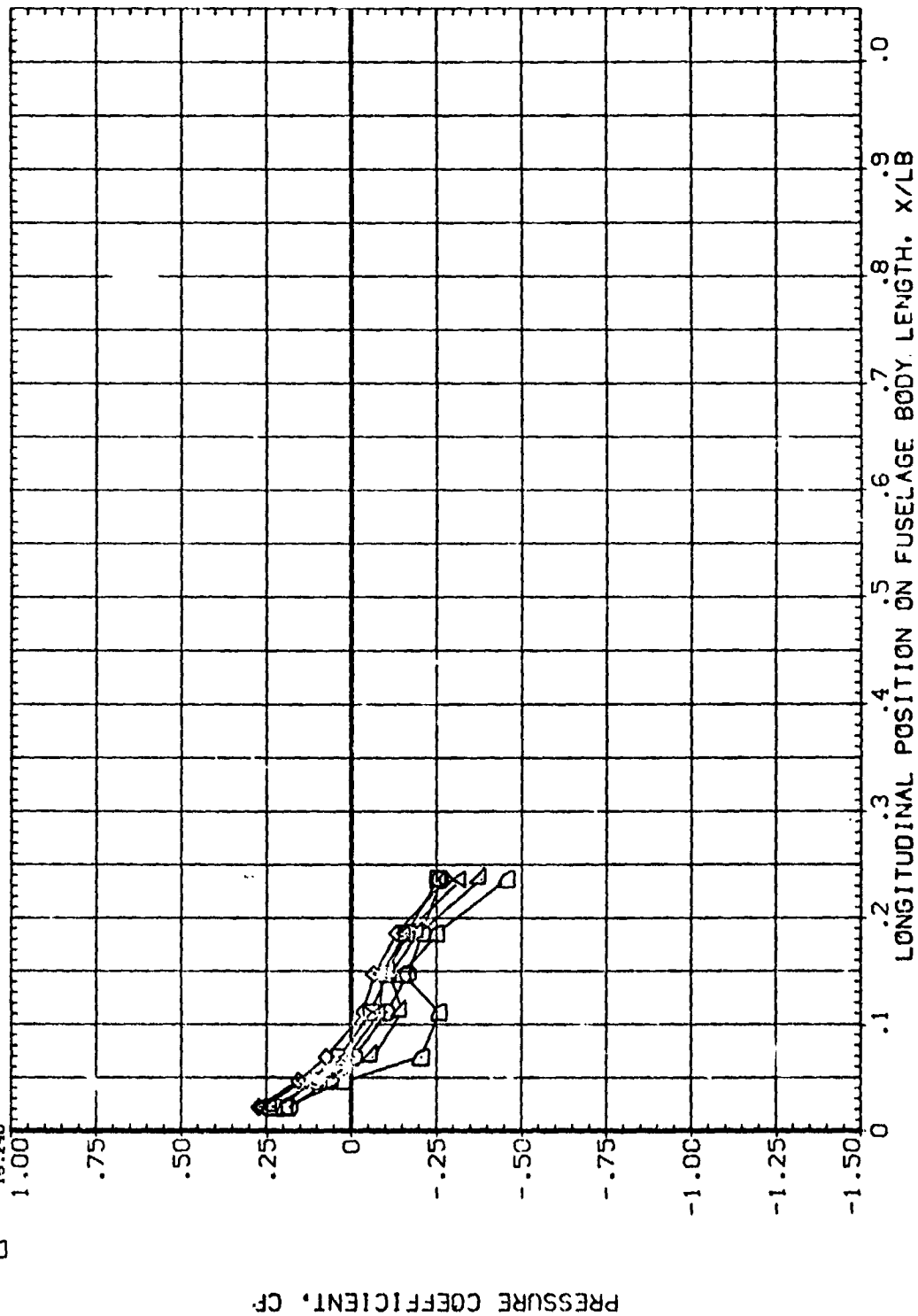


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B10)

SYMBOL
□
◇
△
▽
○

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

PHI
70.300

BETA
-.010

PARAMETRIC VALUES
ELEVON
BD FLAP
-40.000
-14.250

RUDDER
BETA
.000
.000

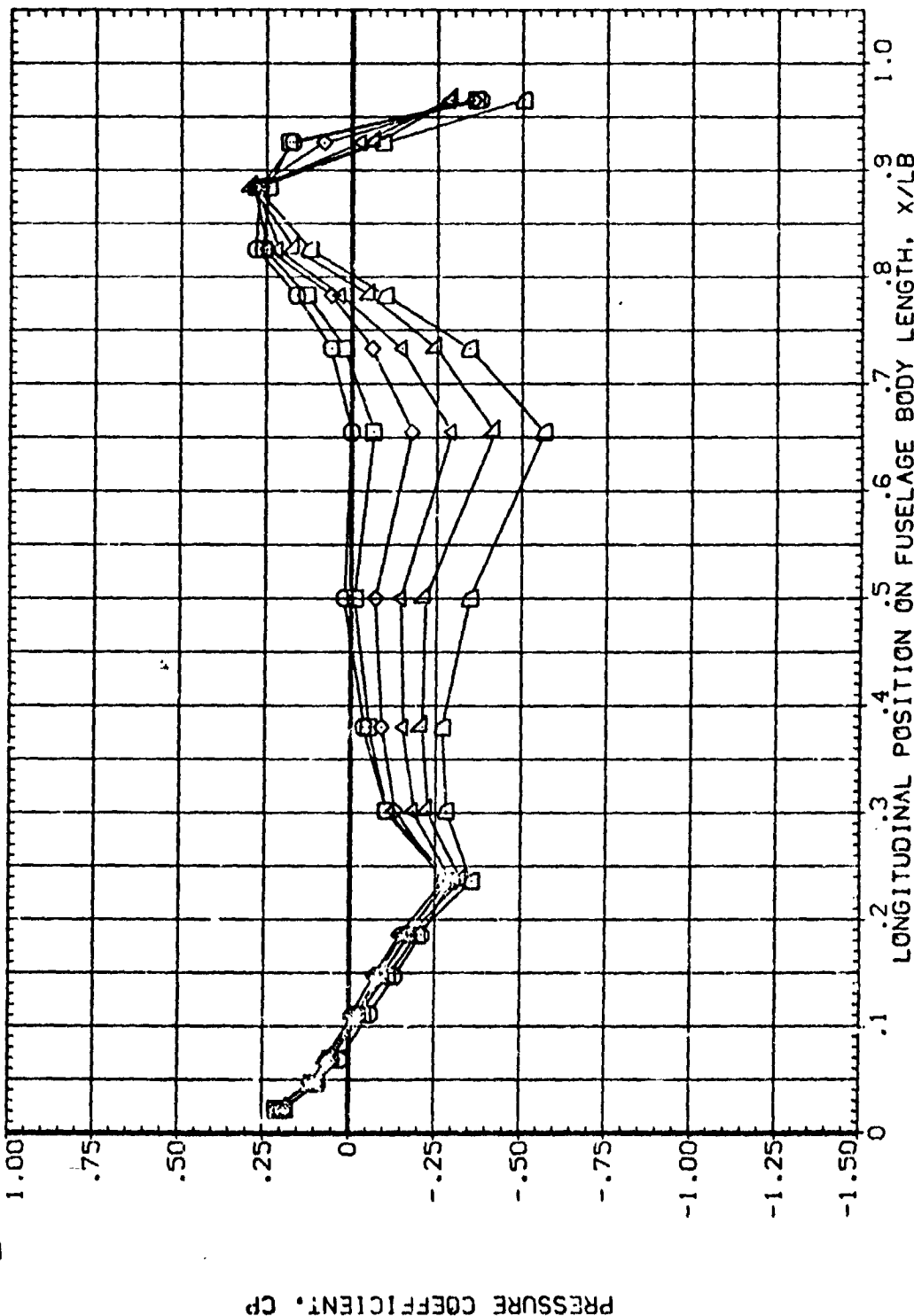


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB10)
 ALPHA PHI BETA
 -2.950 90.300 -0.010
 .050
 5.030
 10.100
 13.220
 16.240

SYMBOL
 ▽ ▴ ◇ □

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

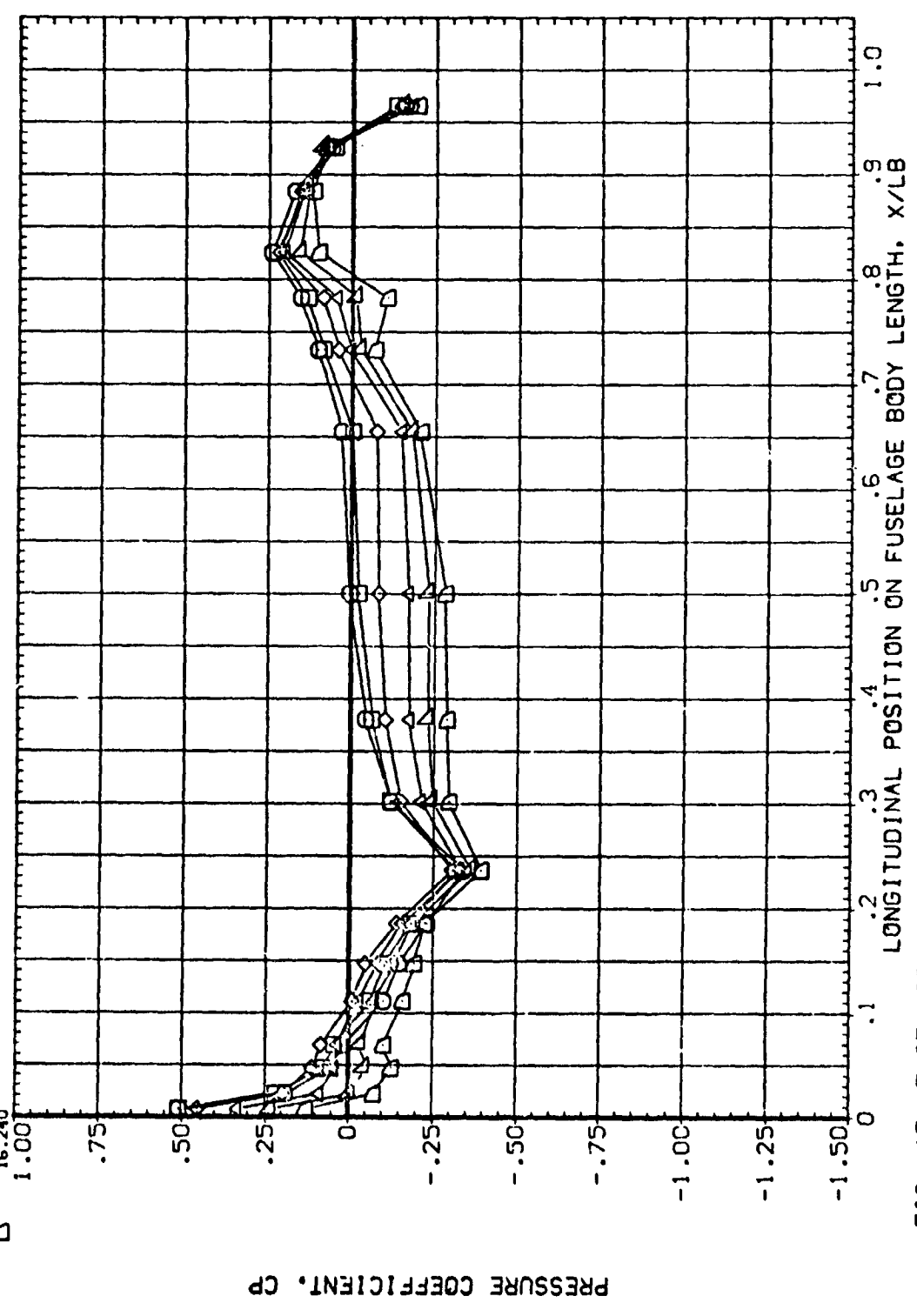


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0
 PAGE 129

(RD0810)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

SYMBOL

ALPHA PHI BETA
-2.950 105.000 -0.010
-050
5.030
10.100
13.220
16.240

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA .000

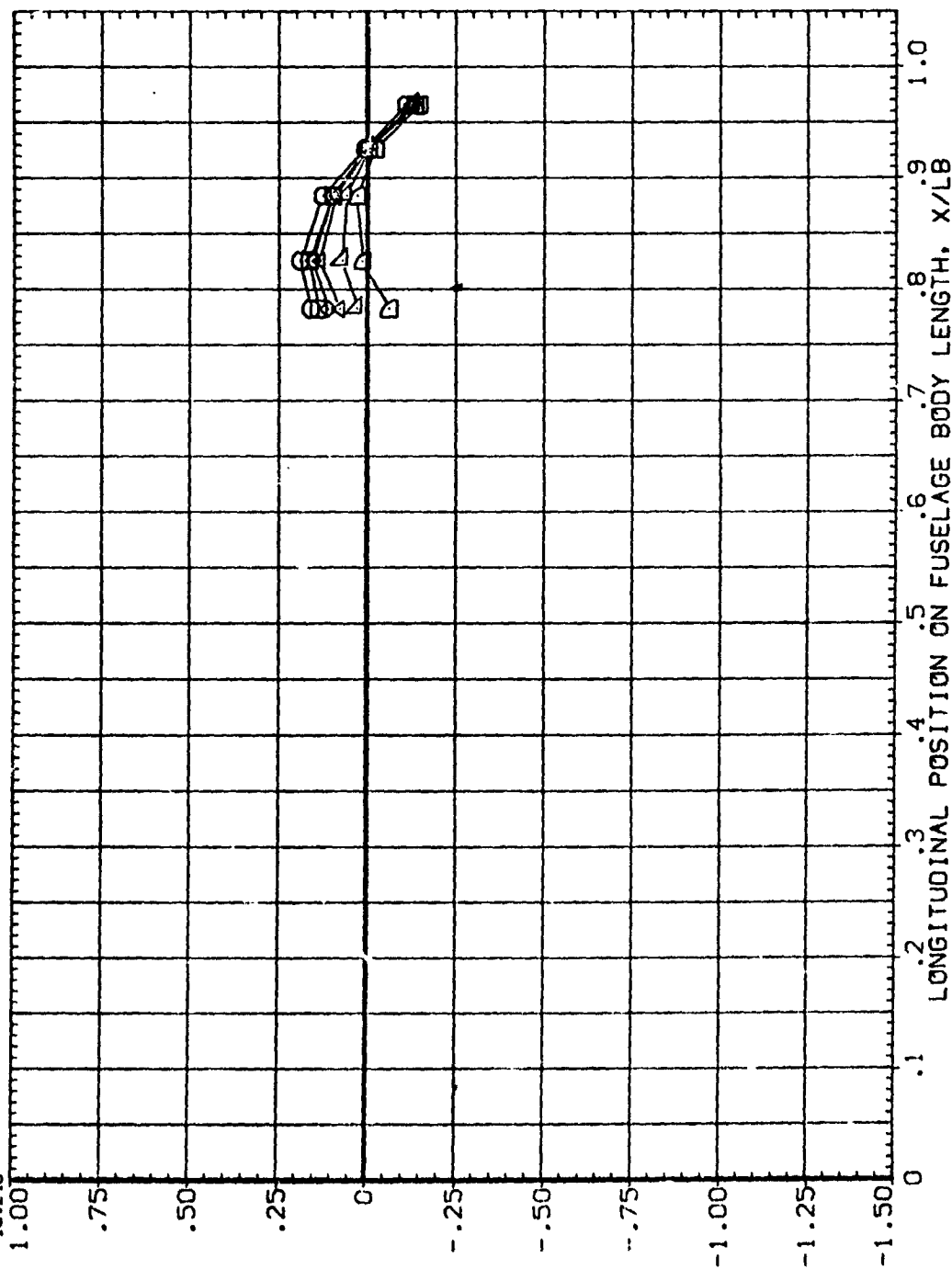


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER
BOFLAP	-14.250 BETA

ALPHA	PHI	BETA
-2.950	120.000	-0.010

SYMBOLS

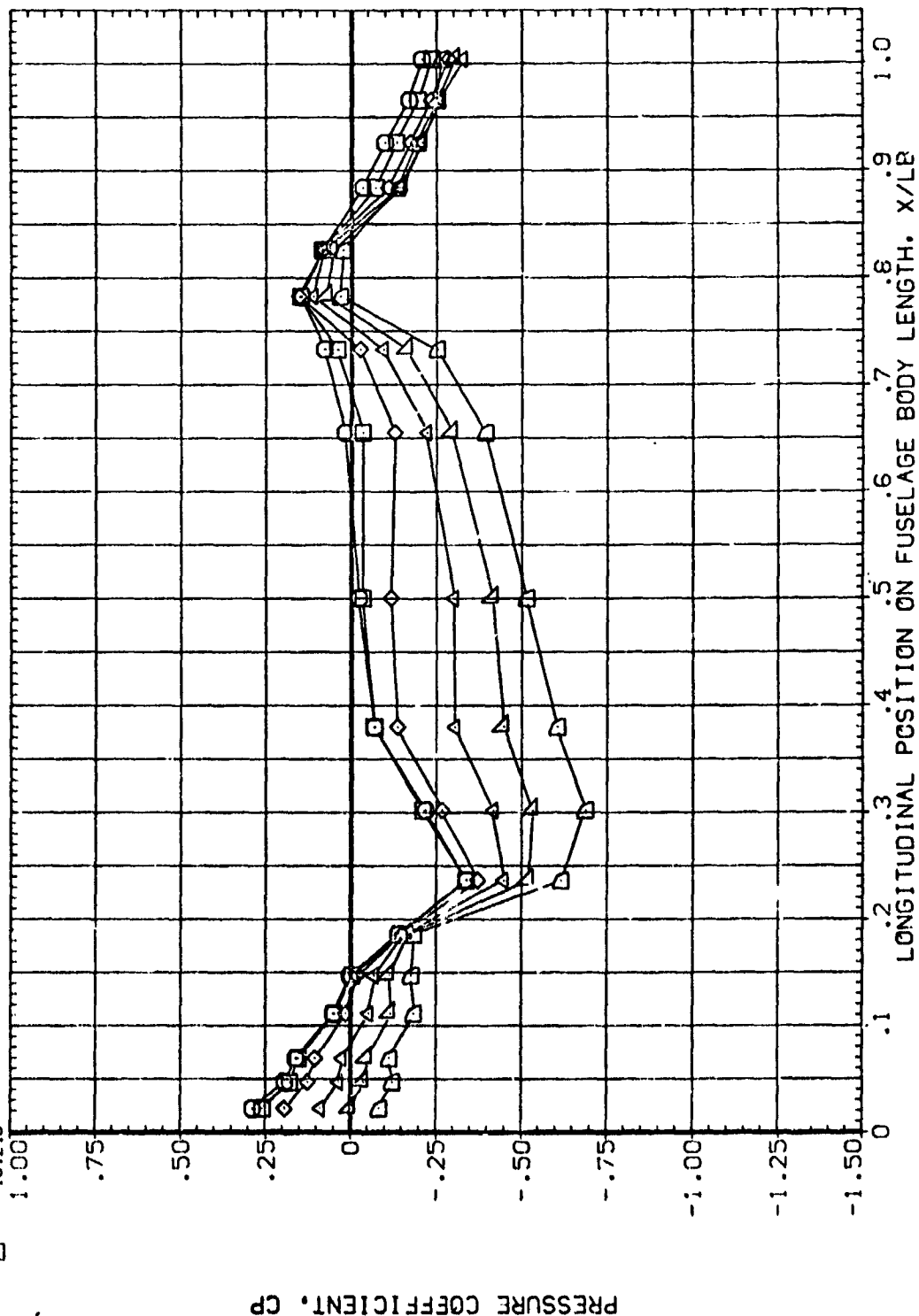


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

(RDQB10)

B26C9G15M7F8W1:6E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

ALPHA PHI BETA
-2.950 135.000 -.010
.050
5.030
10.100
13.220
16.240

SYMBOL
▽
▽
◇
◇
□
□

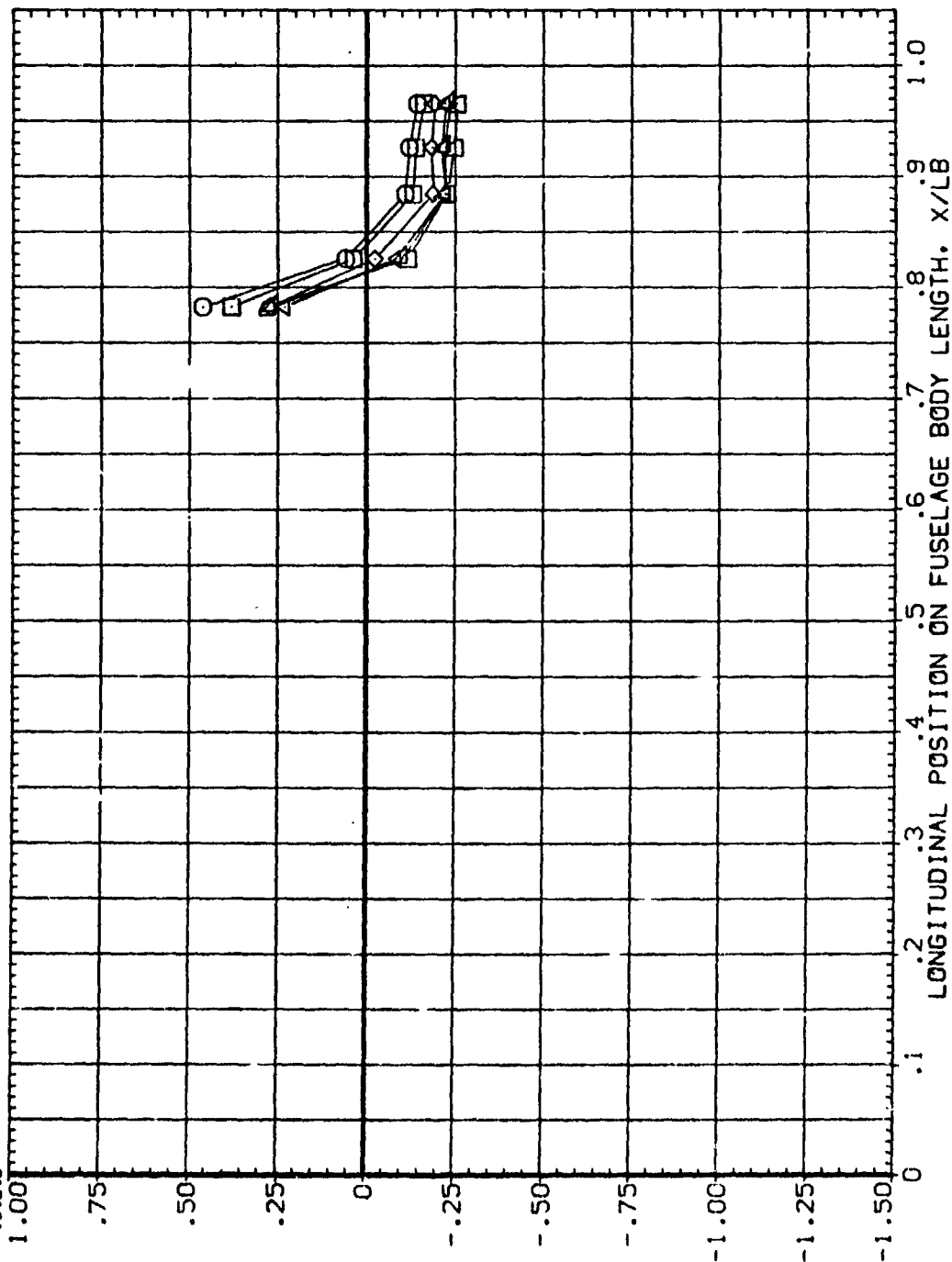


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00810)

SYMBOL	PARAMETRIC VALUES	
	ELEVON	RUDDER
ALPHA	-2.950	-40.000
BETA	.050	.000
PMT	150.000	-14.250
BFLAP	10.100	BETA
	13.220	
	16.240	

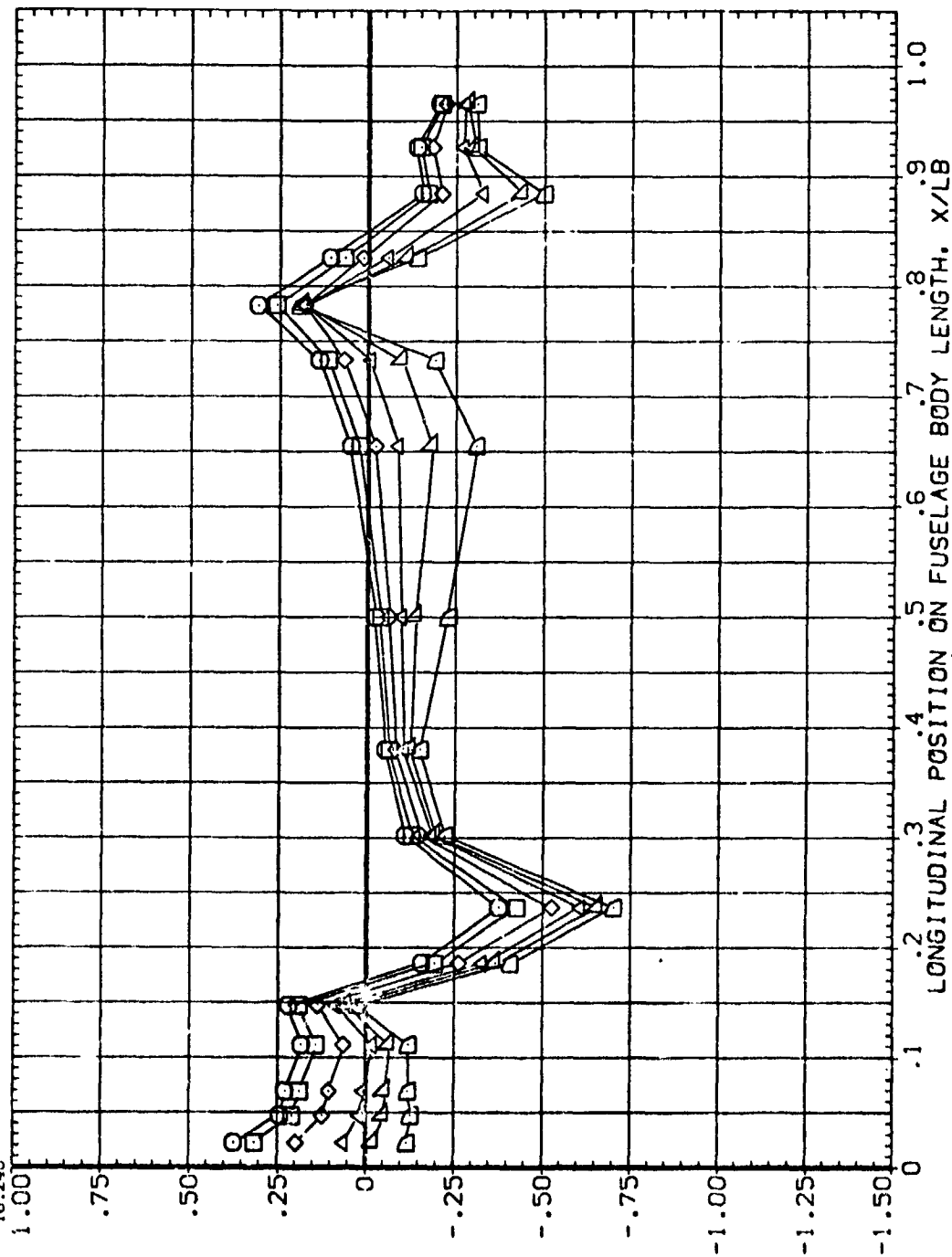


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

(RQQB10)

ALPHA	PHI	BETA
-2.950	165.000	-.010

PARAMETRIC VALUES	
ELEVON	-40.000 RUDDER
BOFLAP	-14.250 BETA

300.
300.

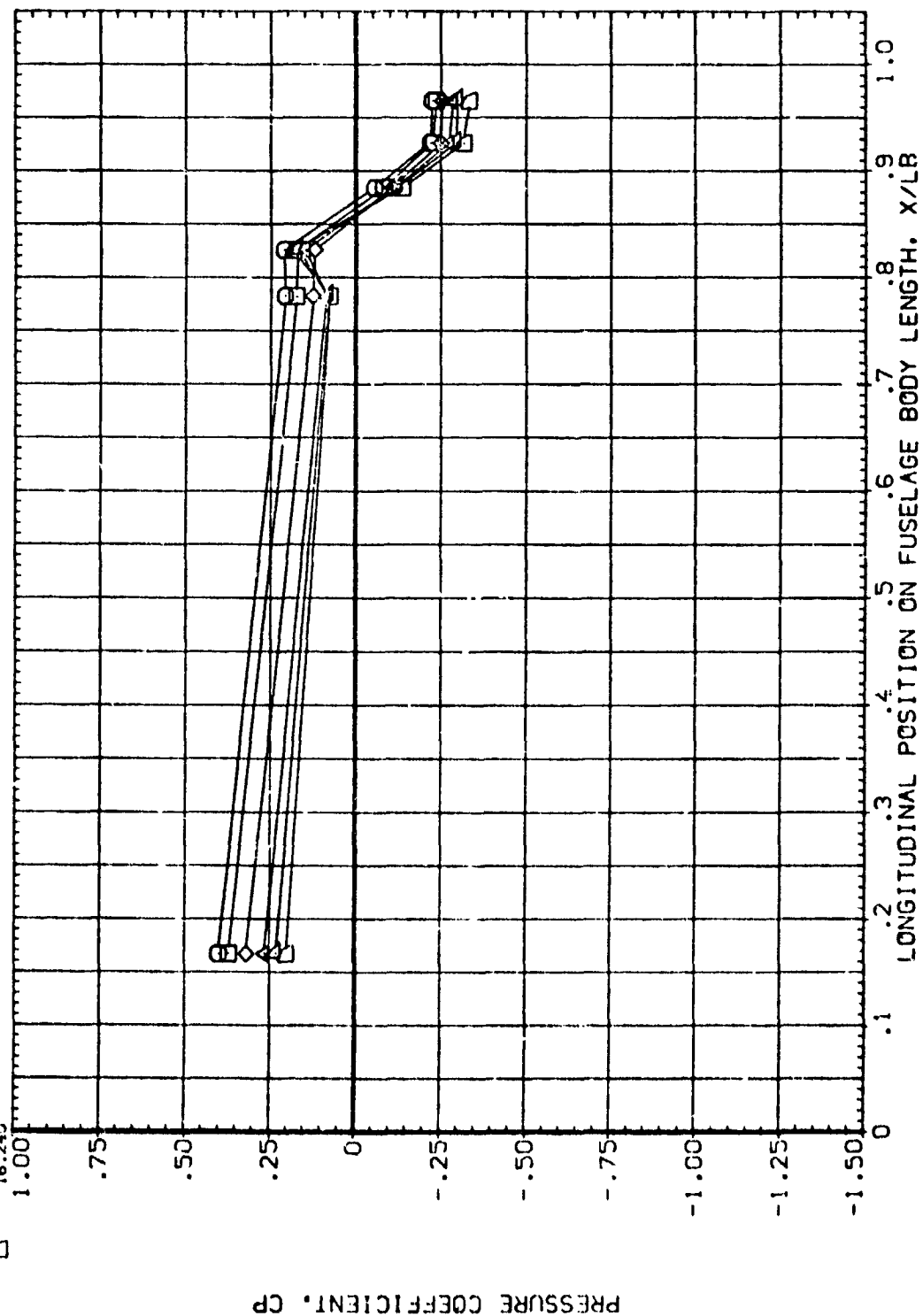


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB10)

SYMBOL	ALPHA	PHI	BETA	ARAMETRIC VALUES
□	-2.950	180.000	-.010	ELEVON
◇	-.050			BDFLAP
△	5.030			
▽	10.100			
◊	13.220			
◈	16.240			
				RUDDER
				BETA
				.000
				.000

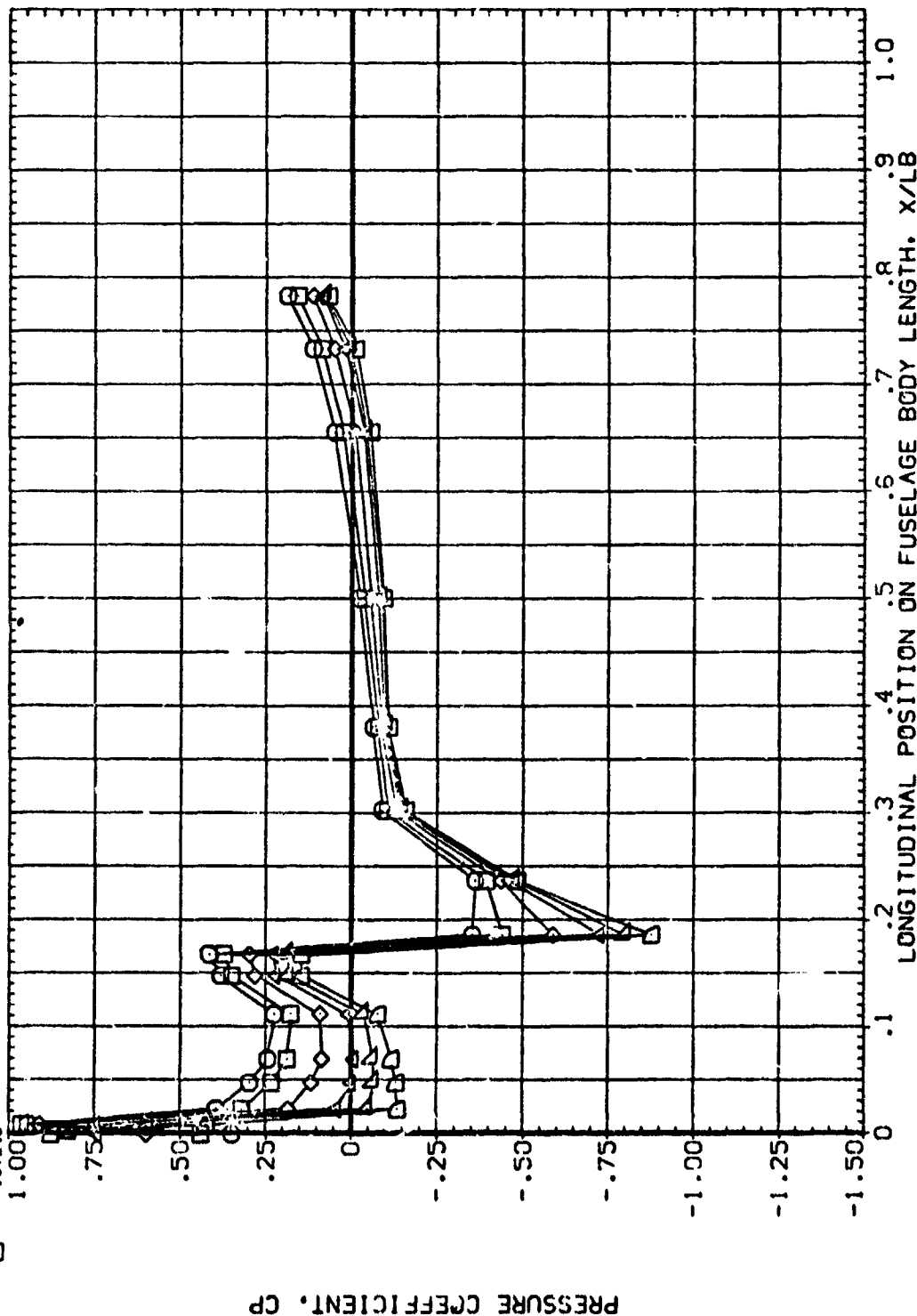


FIG. 17 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE

(R00611)

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 .000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
▽ ◆ ◇ ○

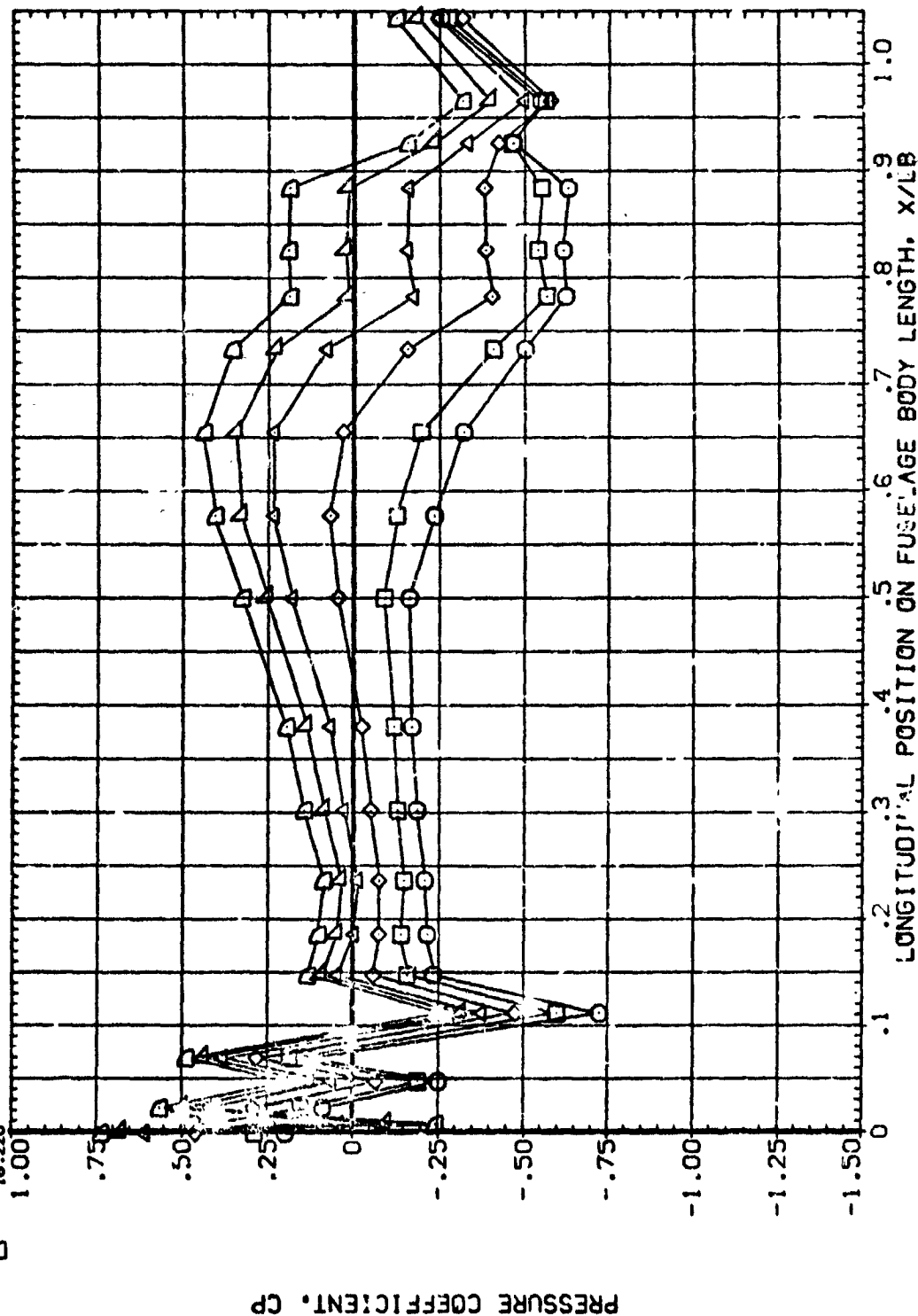


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

3

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B11)

SYMBOL
□ ◇ ○

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PHI
20.000

BETA
10.050

PARAMETRIC VALUES
ELEVON
-40.000
RUDDER
-14.250
BETA
10.000

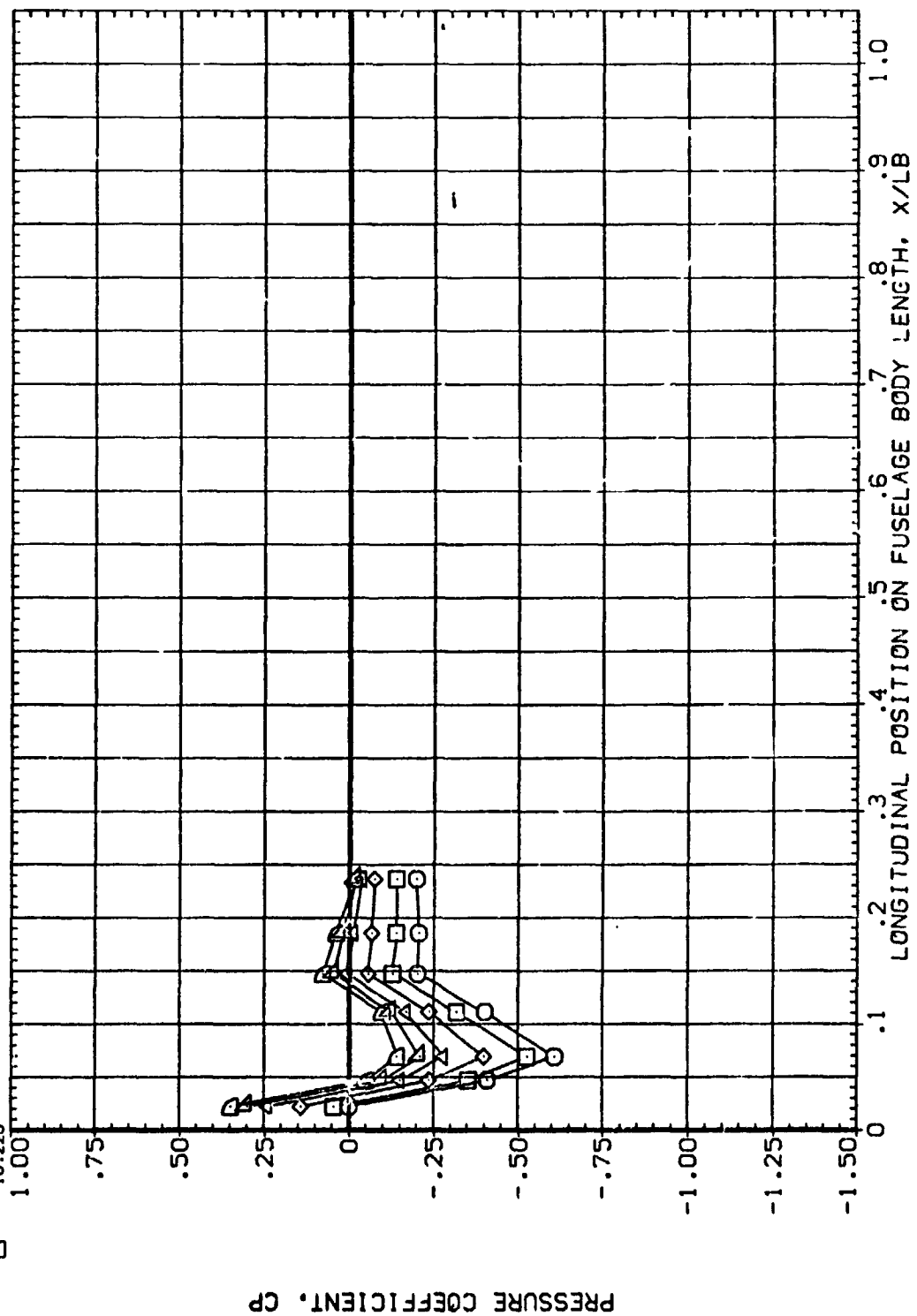


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

(RDQB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 40.000 10.050
.030
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

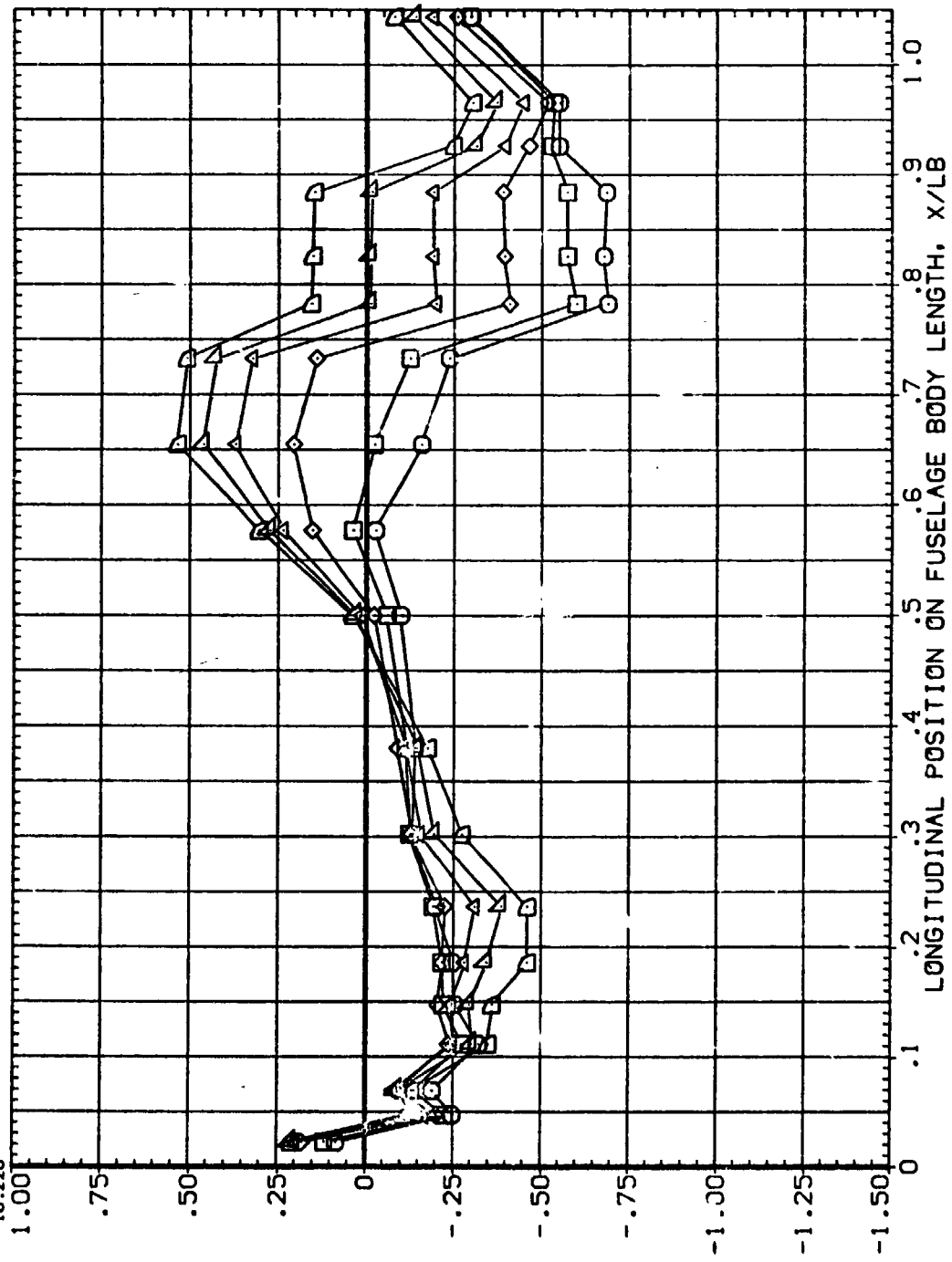


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB11)
 PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BOFLAP -14.250 BETA 10.000

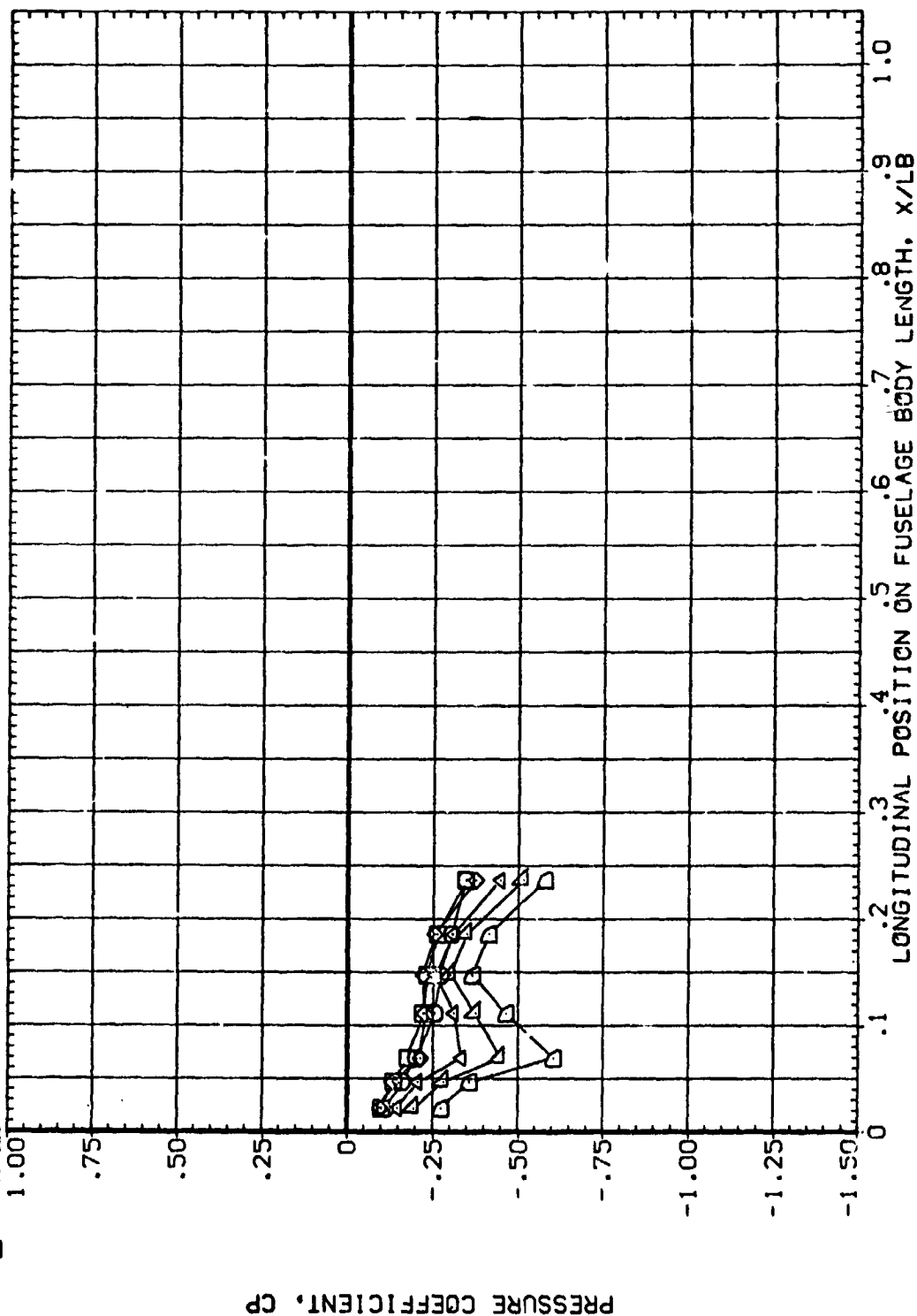


FIG. 16 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10
 PAGE 139

(RDQB11)

B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE

SYMBOL
 ▽
 ▴
 ◇
 □
 ○

ALPHA
 -2.970
 .030
 5.020
 10.120
 13.190
 16.220

BETA
 70.000
 10.050

PARAMETRIC VALUES
 ELEVON
 BOFLAP
 RUDDER
 BETA

.000
 10.000

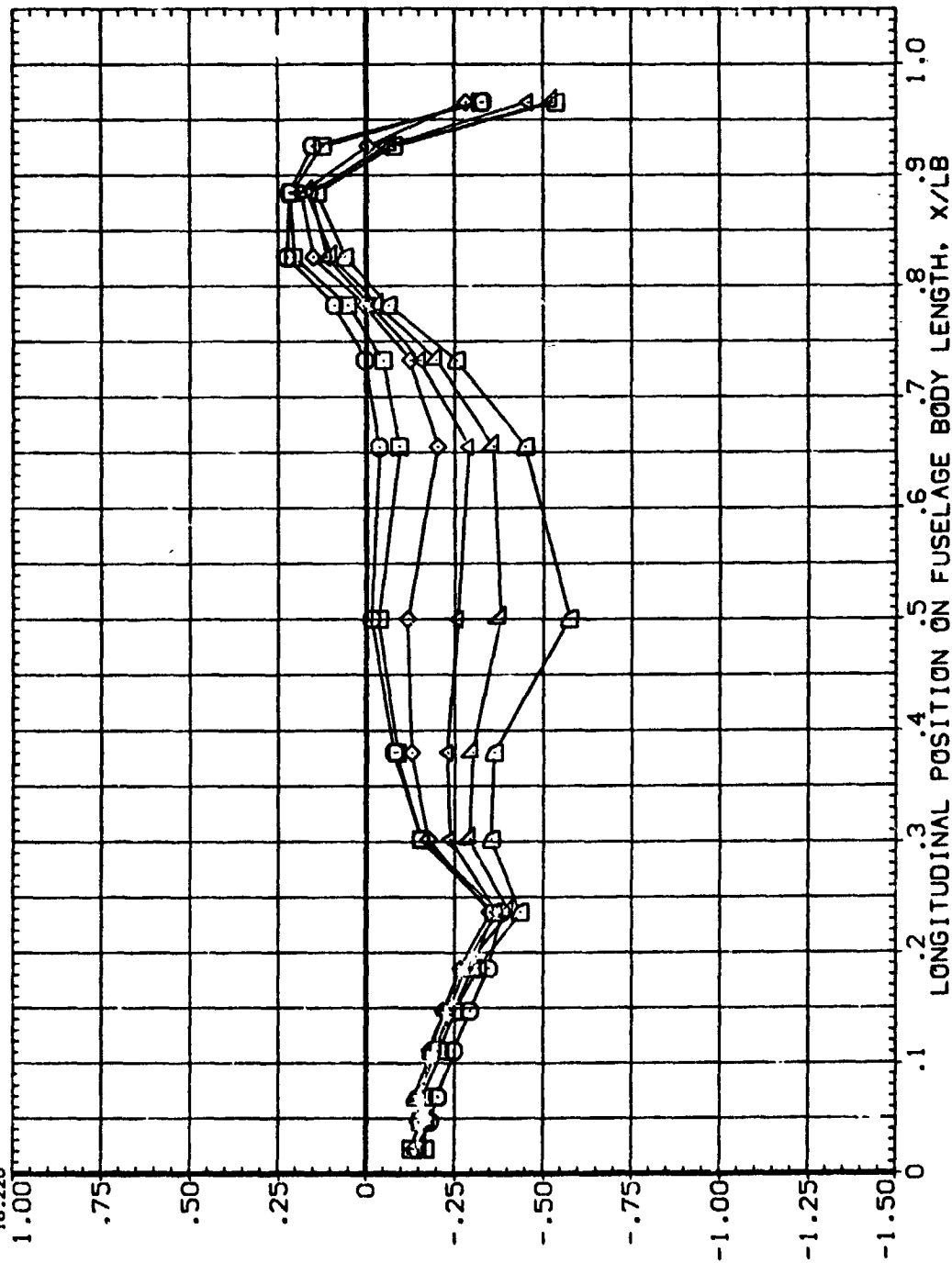
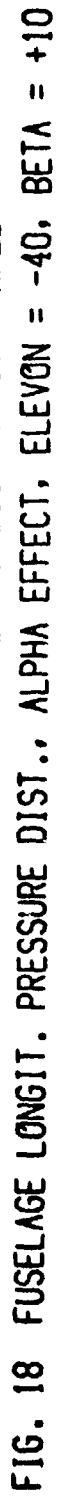


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

(R00811)

ALPHA	PHI	BETA
-2.970	90.000	10.050
.030		
5.020		
10.120		
13.190		
16.220		

PARAMETRIC VALUES	
ELEVON	-40.000
RUDDER	.000
80FLAP	-14.250
BETA	10.000



(RDQB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 105.000 10.050
.030
5.020
10.170
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

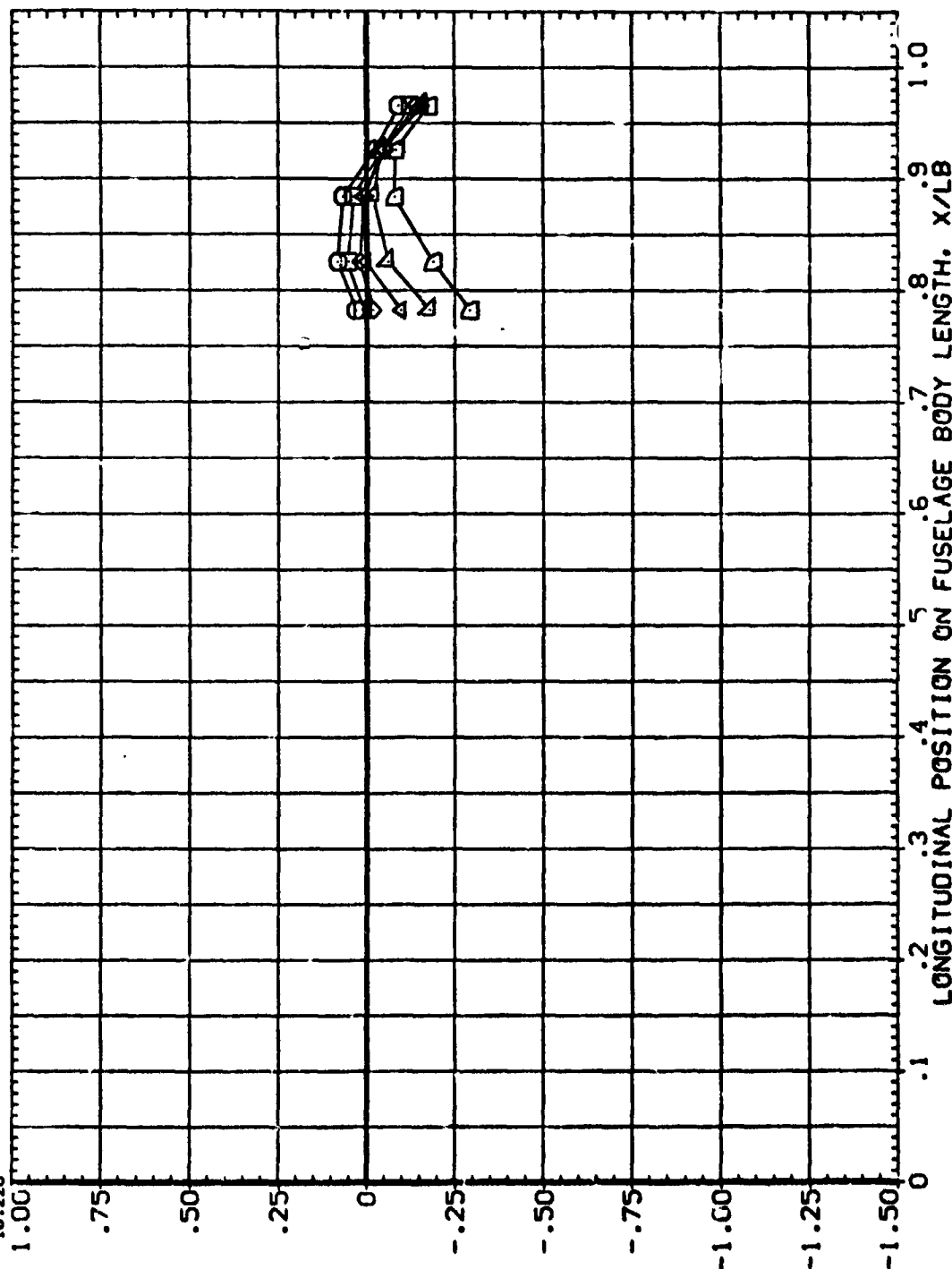


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST.. ALPHA EFFECT, ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB11)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

PHI
120.000

BETA
10.050

PARAMETRIC VALUES
ELEVON
BDFLAP
-40.000
-14.250

RUDDER
BETA
.000
10.000

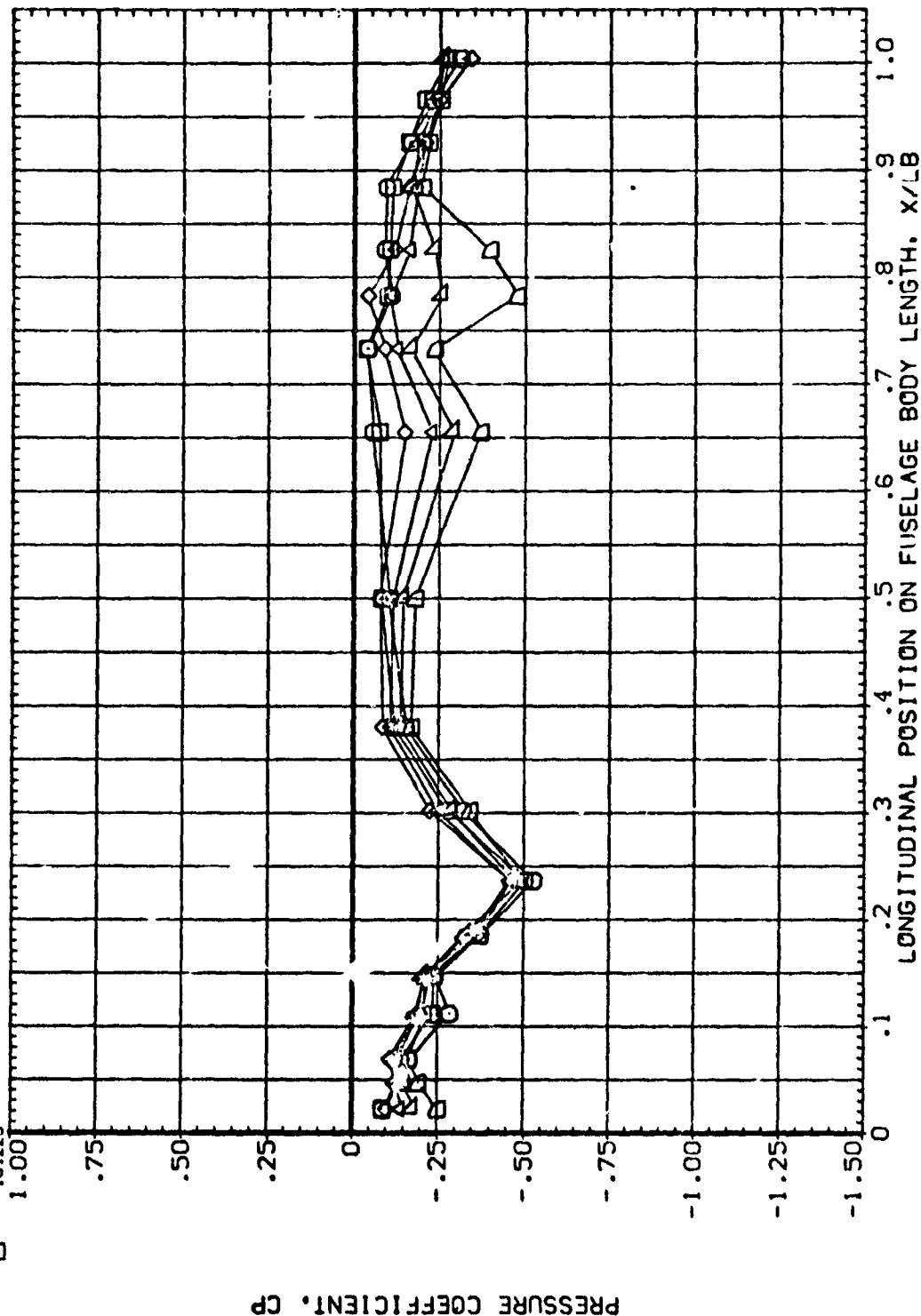


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

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ORIGINAL PAGE IS POOR

(R0QB11)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA PHI BETA
-2.970 135.000 10.050
.030
5.070
10.120
13.190
16.220

SYMBOL
▽
▽
◇
□

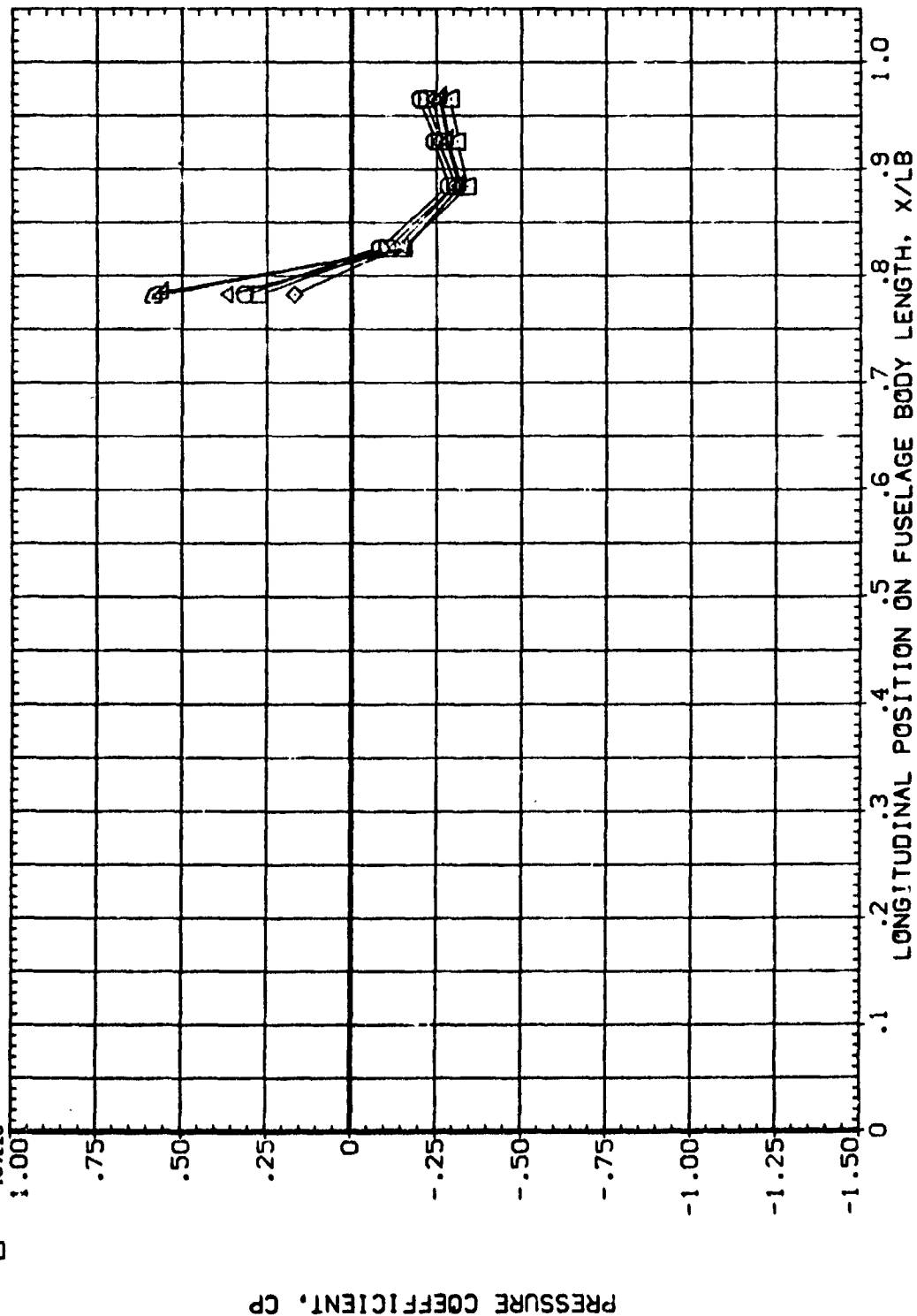


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT. ELEVON = -40, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB11)

SYMBOL
 □
 ◇
 △
 ○
 ●

ALPHA PHI BETA
 -2.970 150.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

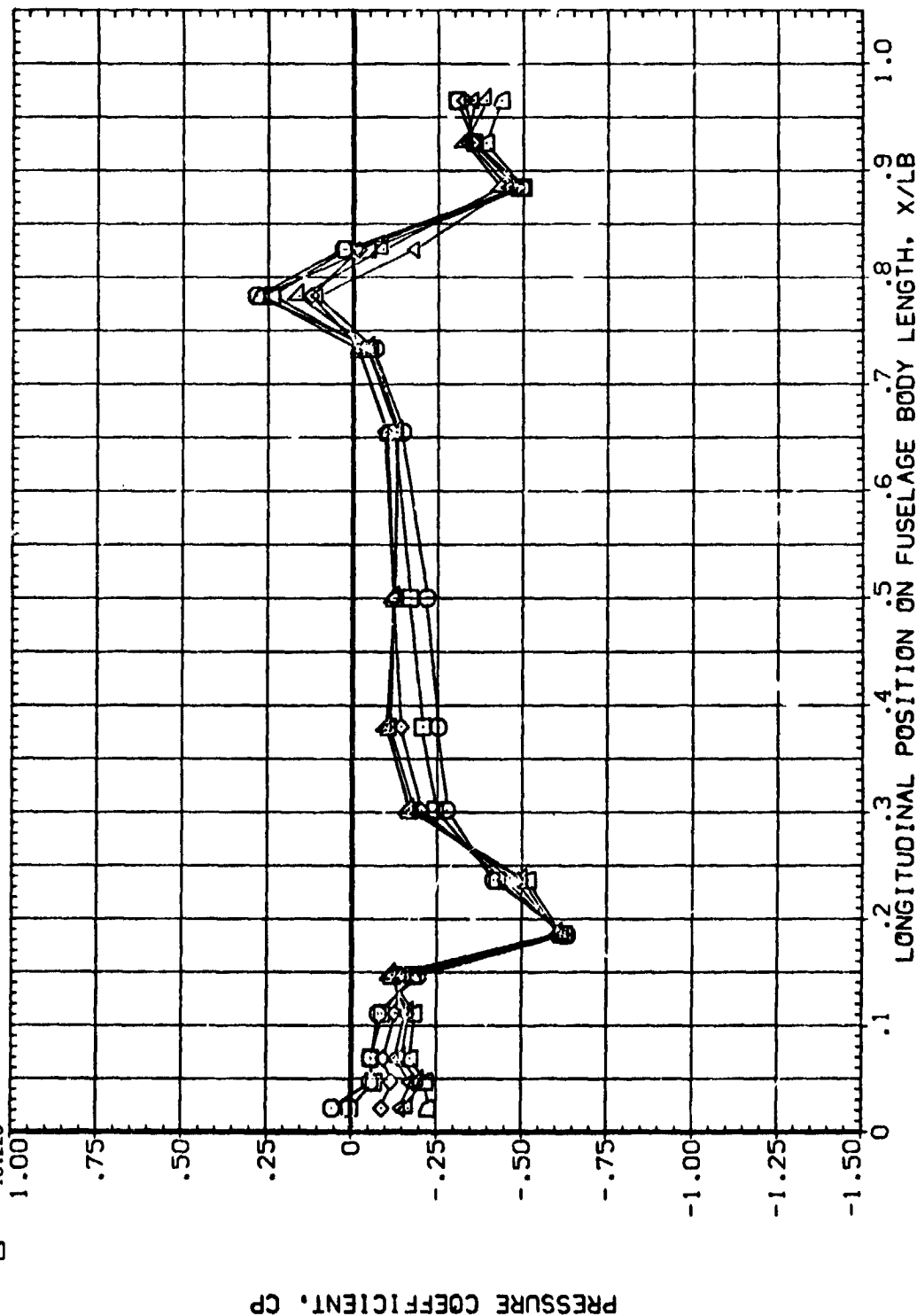


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40. BETA = +10

B26C9G1SM7F8W116E26V8R5X9 LEFT FUSE AGE

SYMBOL ALPHA PHI BETA

-2.970 165.000

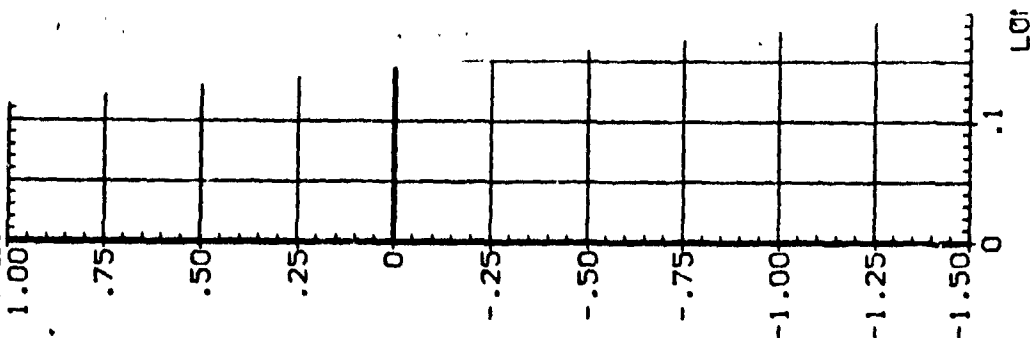
.030

5.020

10.120

13.190

16.220



PRESSURE COEFFICIENT, CP

FIG. 18 FUSELAGE LOG

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00B11)
 ALPHA PHI BETA
 -2.970 180.000 10.050
 .030
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

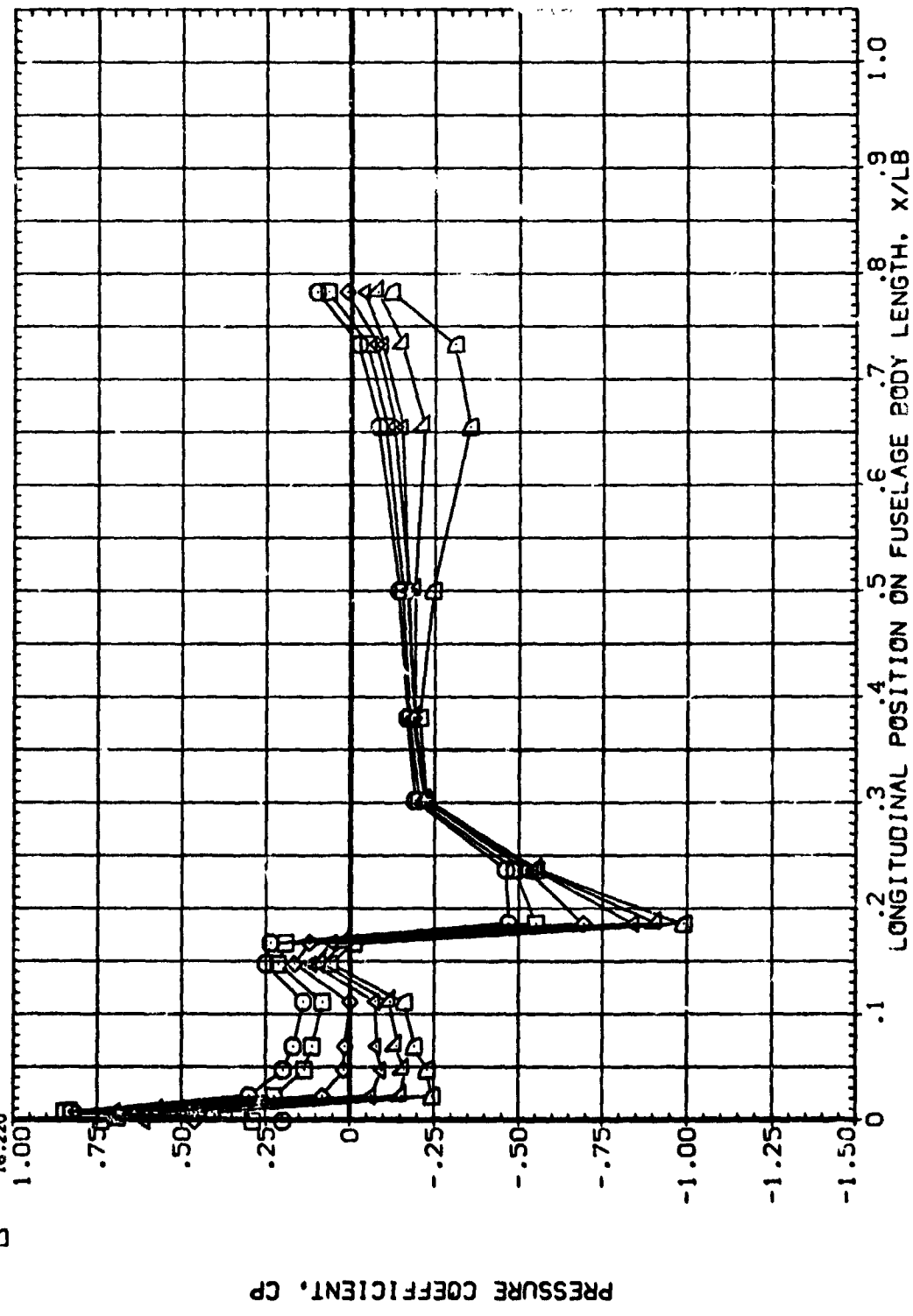


FIG. 18 FUSELAGE LONGIT. PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

DATA SET SYMBOL
 (R00B03)
 (R00B13)
 (R00B12)
 (R00B05)
 (R00A15)
 (R00A12)

CONFIGURATION DESCRIPTION
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 LEFT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 RIGHT FUSELAGE
 B26C3G15H7F8V116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

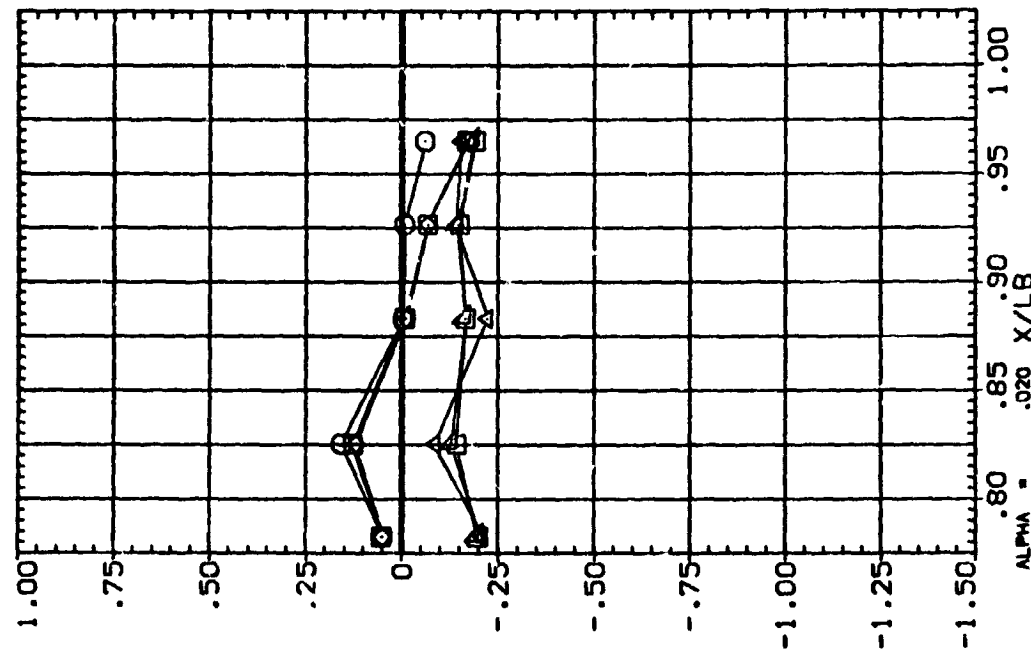
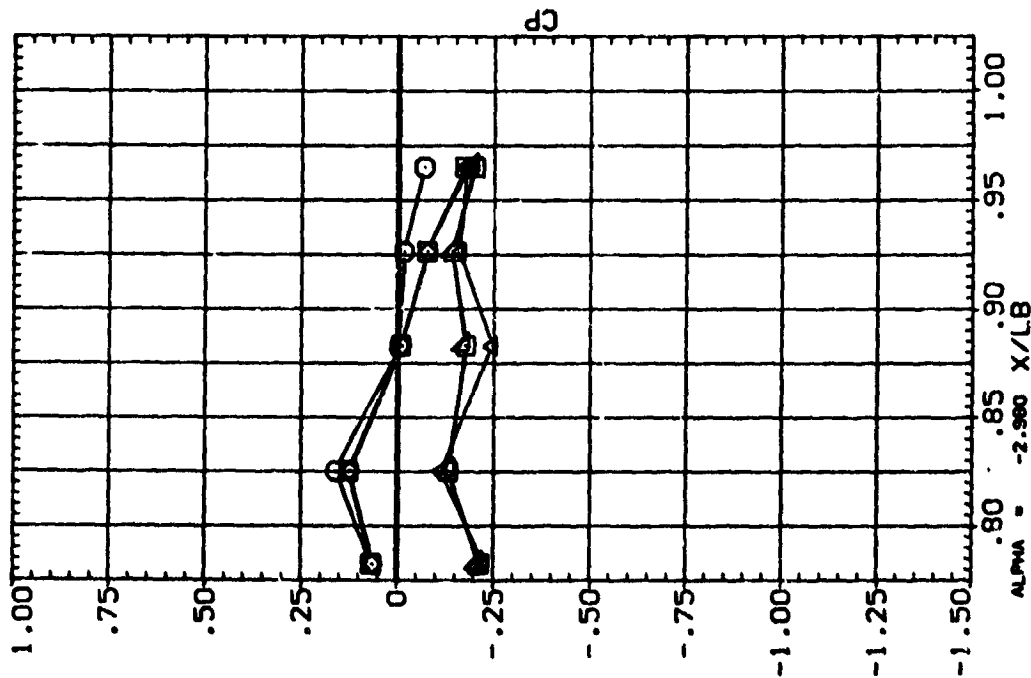


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B02)	B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE	-10.000	.000	.000
(R00A15)	B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R00A12)	B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R00B05)	B26C9G15M7F8M116E2SV8P5X9 LEFT FUSELAGE	10.000	.000	.000
(R00A15)	B26C9G15M7F8M116E2SV8P5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R00A12)	B26C9G15M7F8M116E2SV8P5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

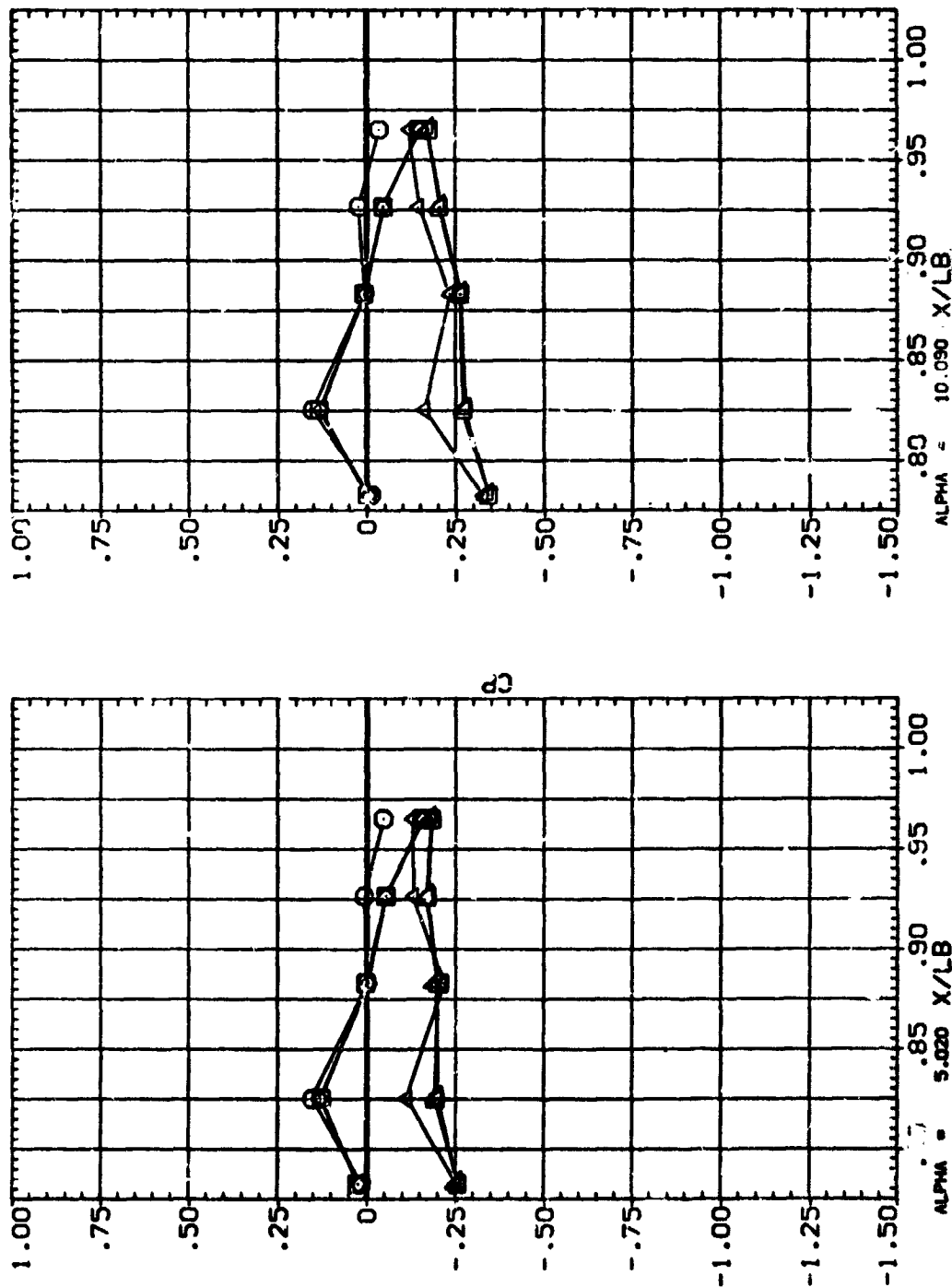
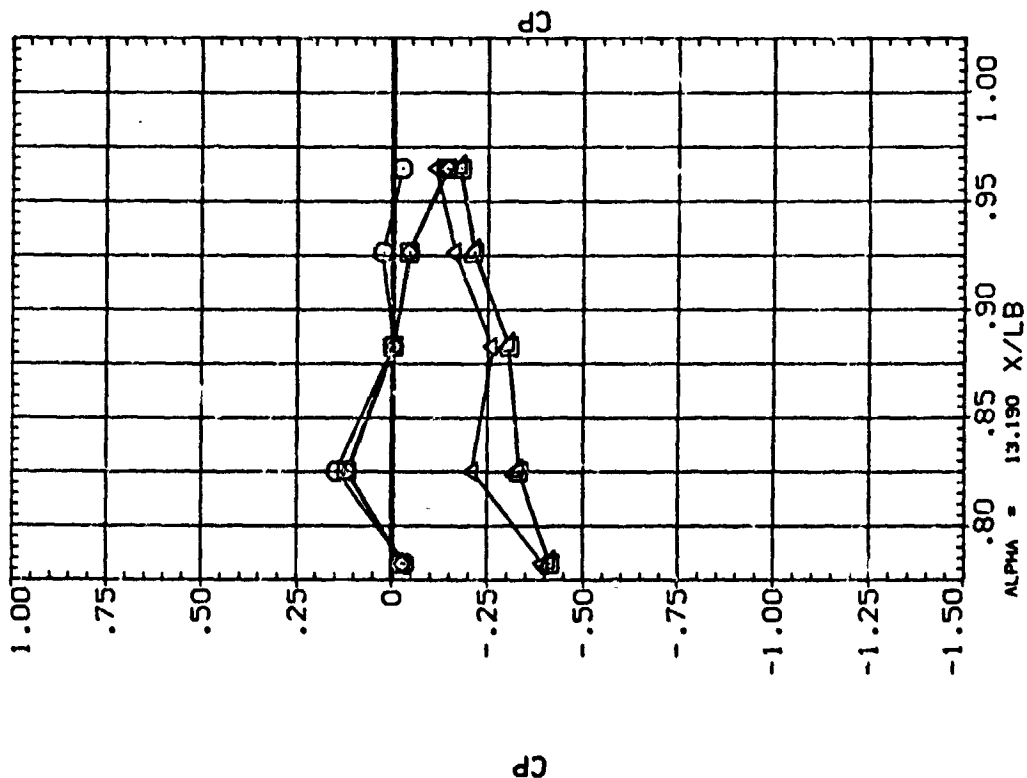


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00815) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00812) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A15) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A12) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE



BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 -15.000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

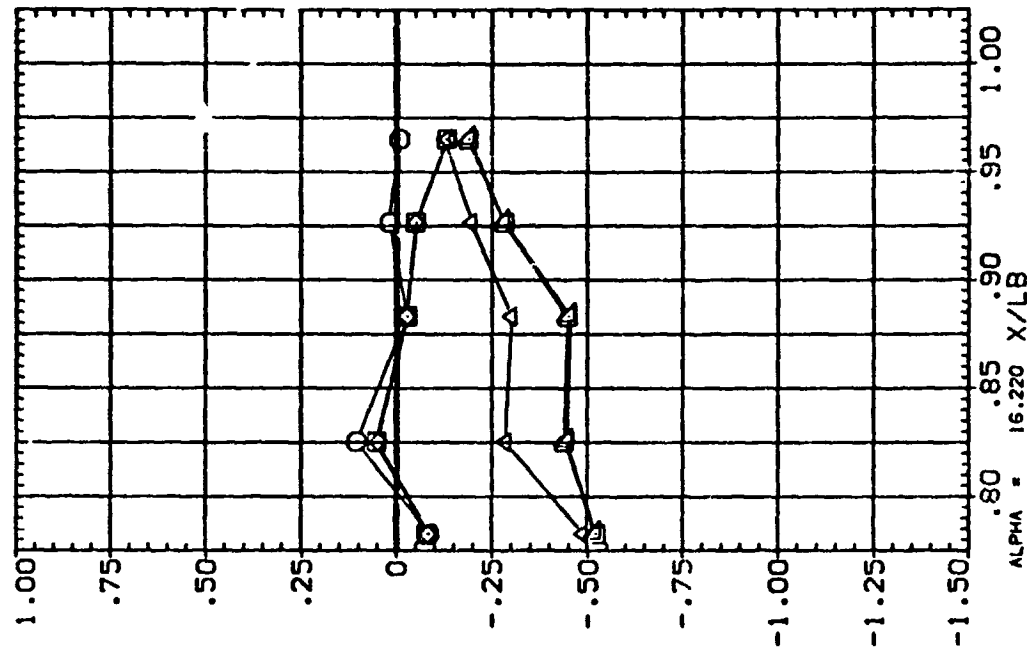


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0803)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R0803)	B26C9G15M7F8M116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9G15M7F8M116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

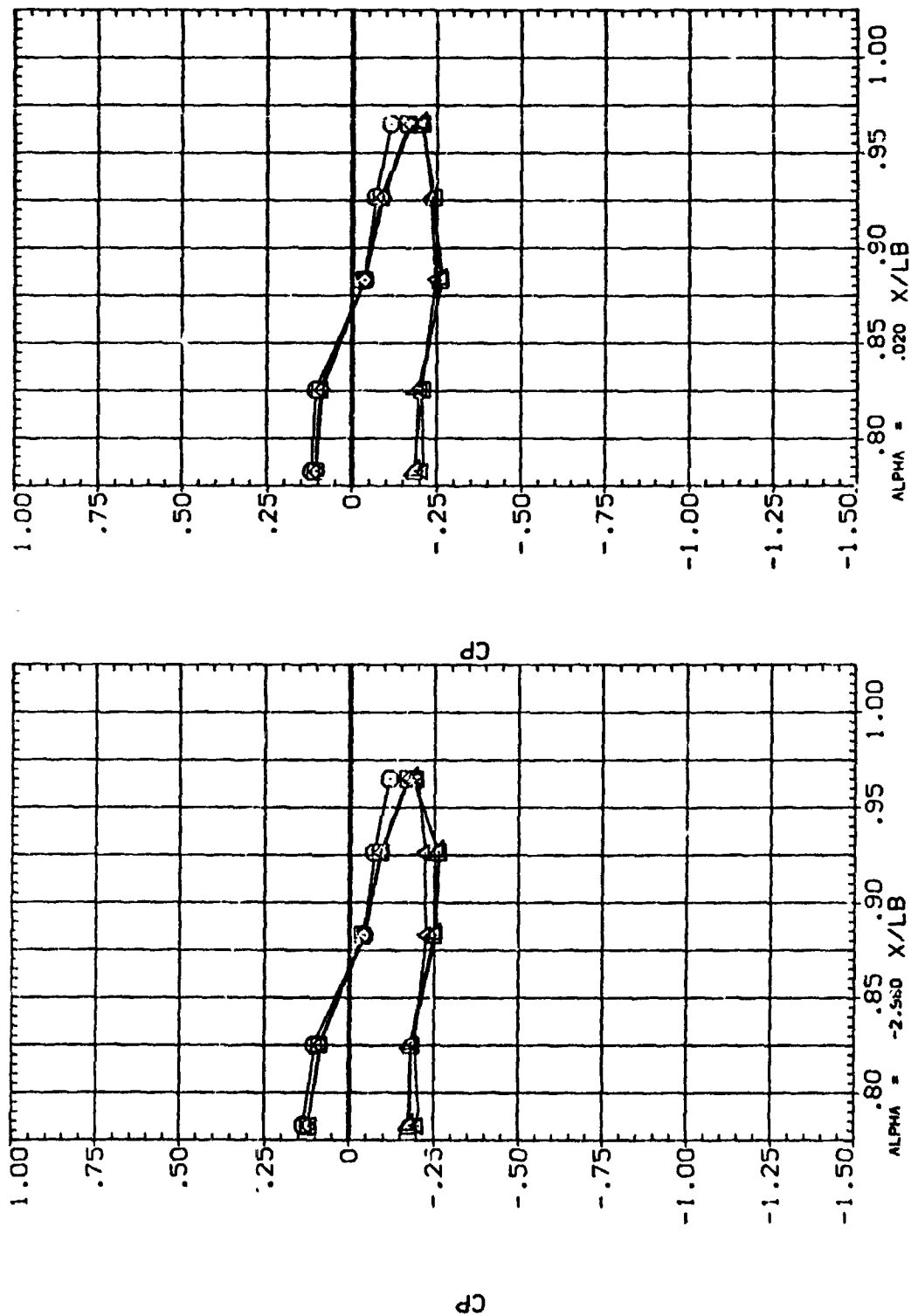


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 105.000

DATA SET SYMBOL
 (PCB03)
 (PCB15)
 (PCB12)
 (PCB05)
 (PCB15)
 (PCB12)

CONFIGURATION DESCRIPTION
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 LEFT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 RIGHT FUSELAGE
 B26C9G15M7F8W11E26V8P5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 -15.000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

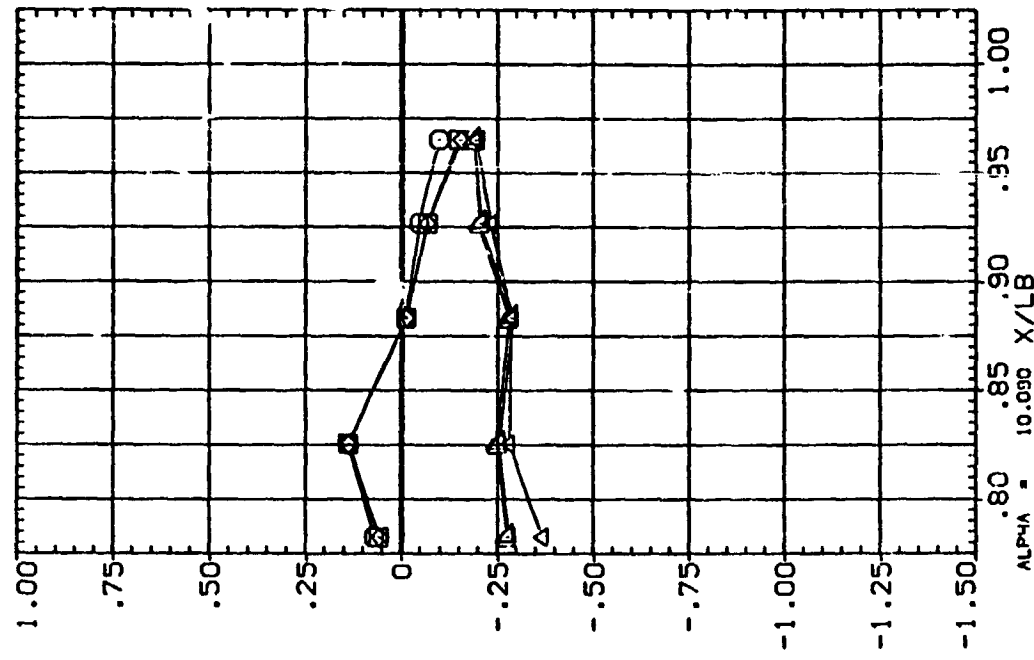
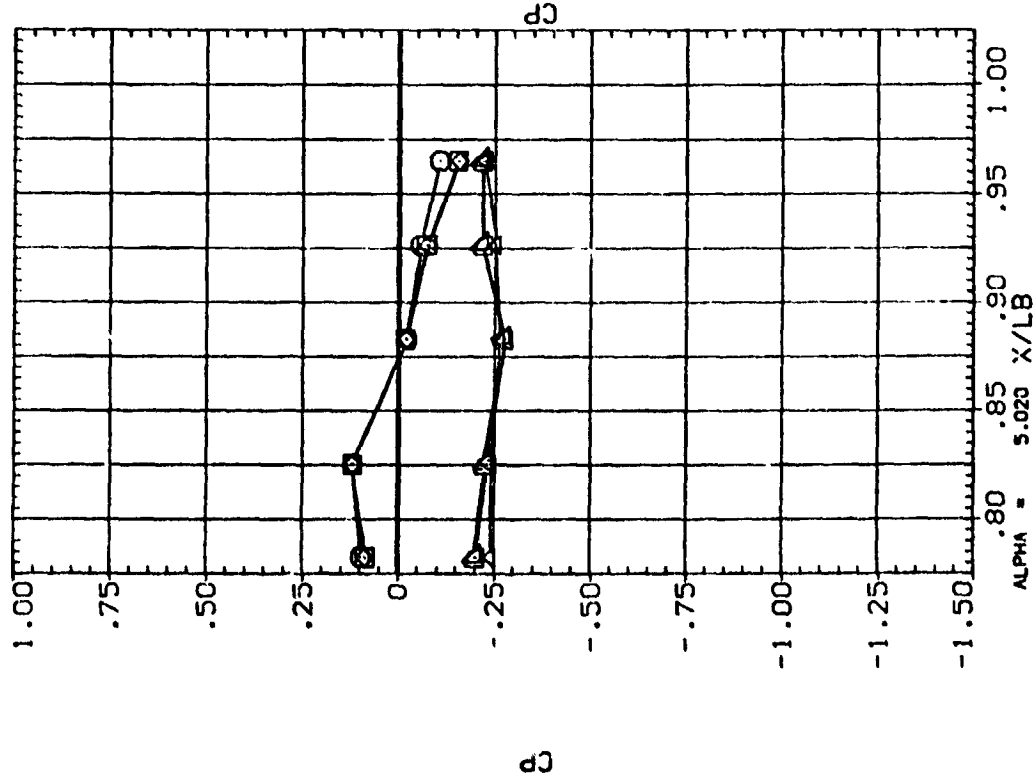


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 105.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 LEFT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 RIGHT FUSELAGE
 B26C901:5M7F8V1:16E26/8R5X9 RIGHT FUSELAGE

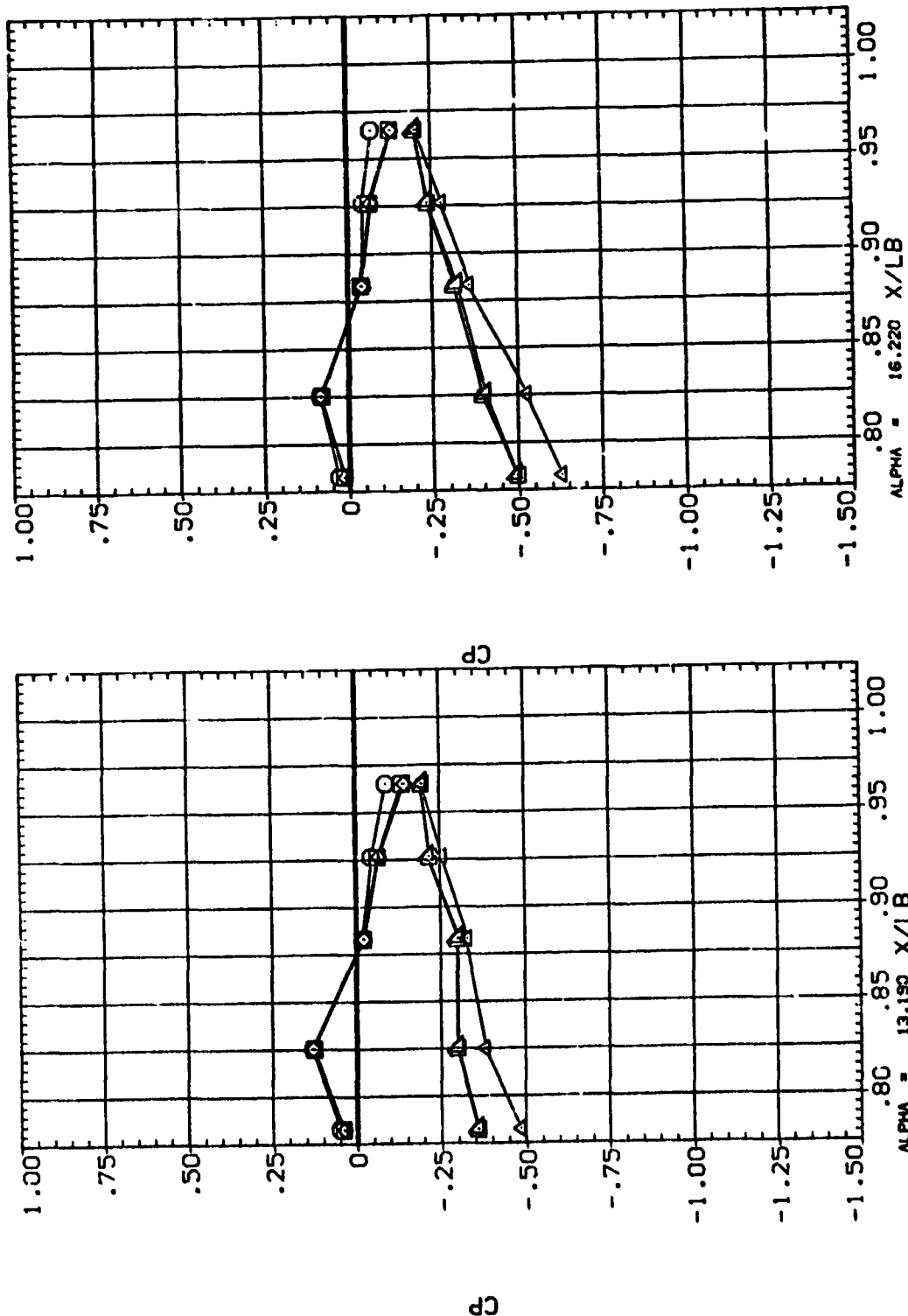


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 105.000

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R02B03)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R02B15)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R02B12)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R02B05)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R02A15)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
(R02A12)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

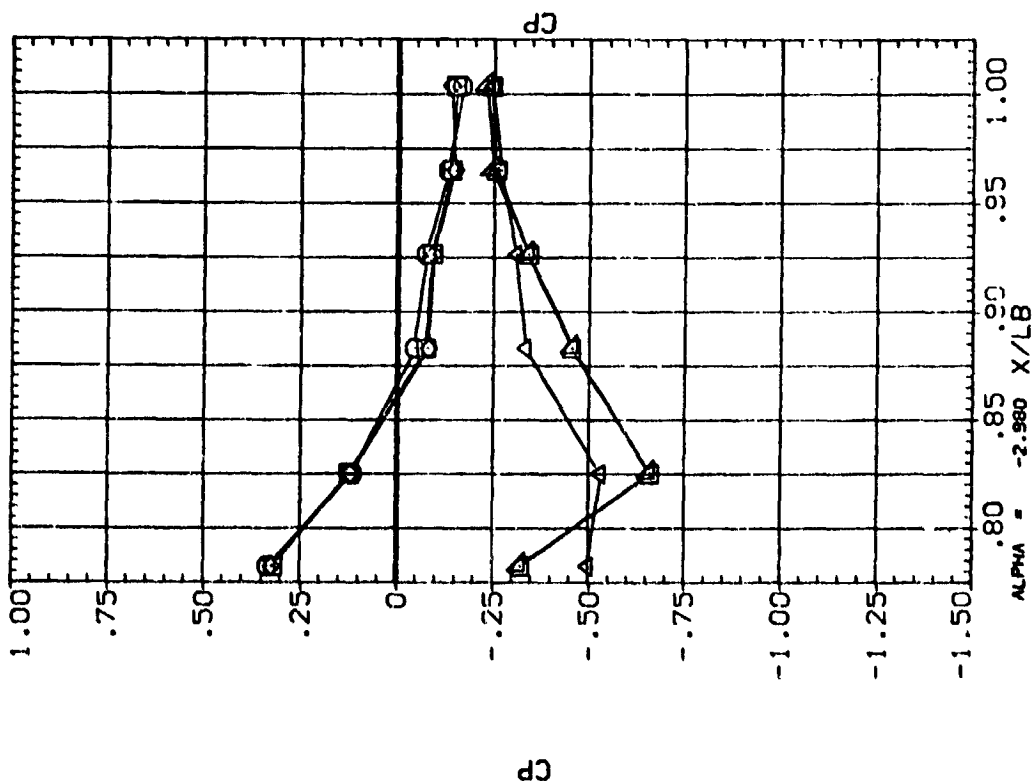
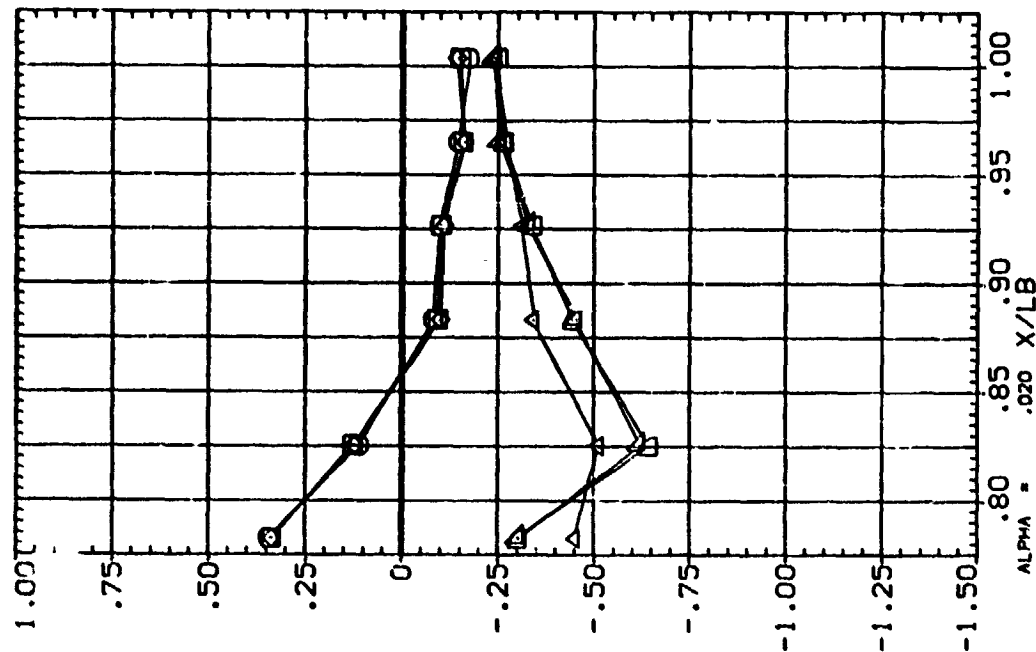
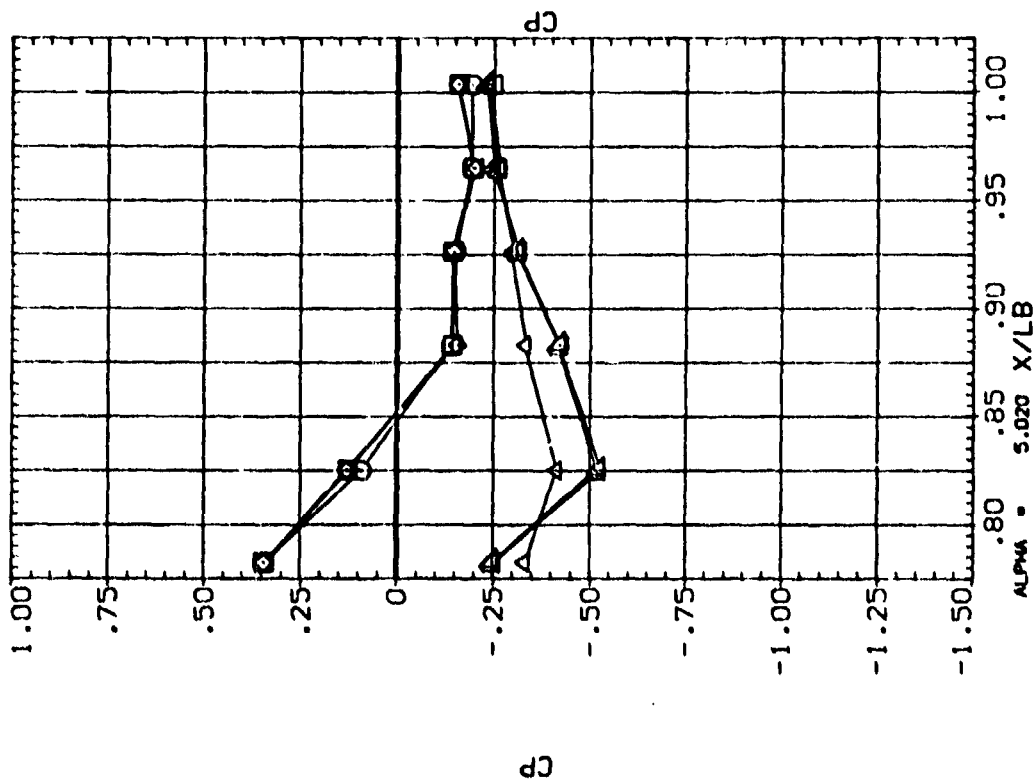


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(P3303)	B26C9G15M7F8W116E26V8P5X9	LEFT FUSELAGE
(P3315)	B26C9G15M7F8W116E26V8P5X9	LEFT FUSELAGE
(P3312)	B26C9G15M7F8W116E26V8P5X9	LEFT FUSELAGE
(P3305)	B26C9G15M7F8W116E26V8P5X9	LEFT FUSELAGE
(P3415)	B26C9G15M7F8W116E26V8P5X9	RIGHT FUSELAGE
(P3412)	B26C9G15M7F8W116E26V8P5X9	RIGHT FUSELAGE



BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

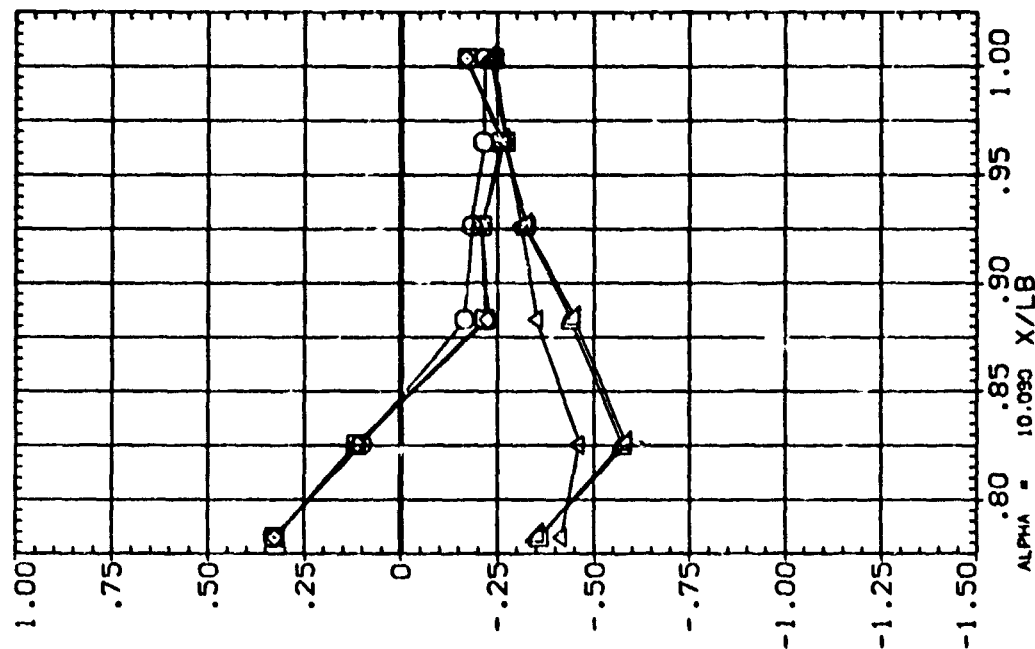


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 120.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCB03)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	.000	.000
(RDCB15)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	-7.500	.000
(RDCB12)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	-15.000	.000
(RDCB05)	B26C9G15M7F8V116E26VBRX9 LEFT FUSELAGE	-10.000	.000	.000
(RDCB13)	B26C9G15M7F8V116E26VBRX9 RIGHT FUSELAGE	-10.000	-7.500	.000
(RDCB12)	B26C9G15M7F8V116E26VBRX9 RIGHT FUSELAGE	-10.000	-15.000	.000

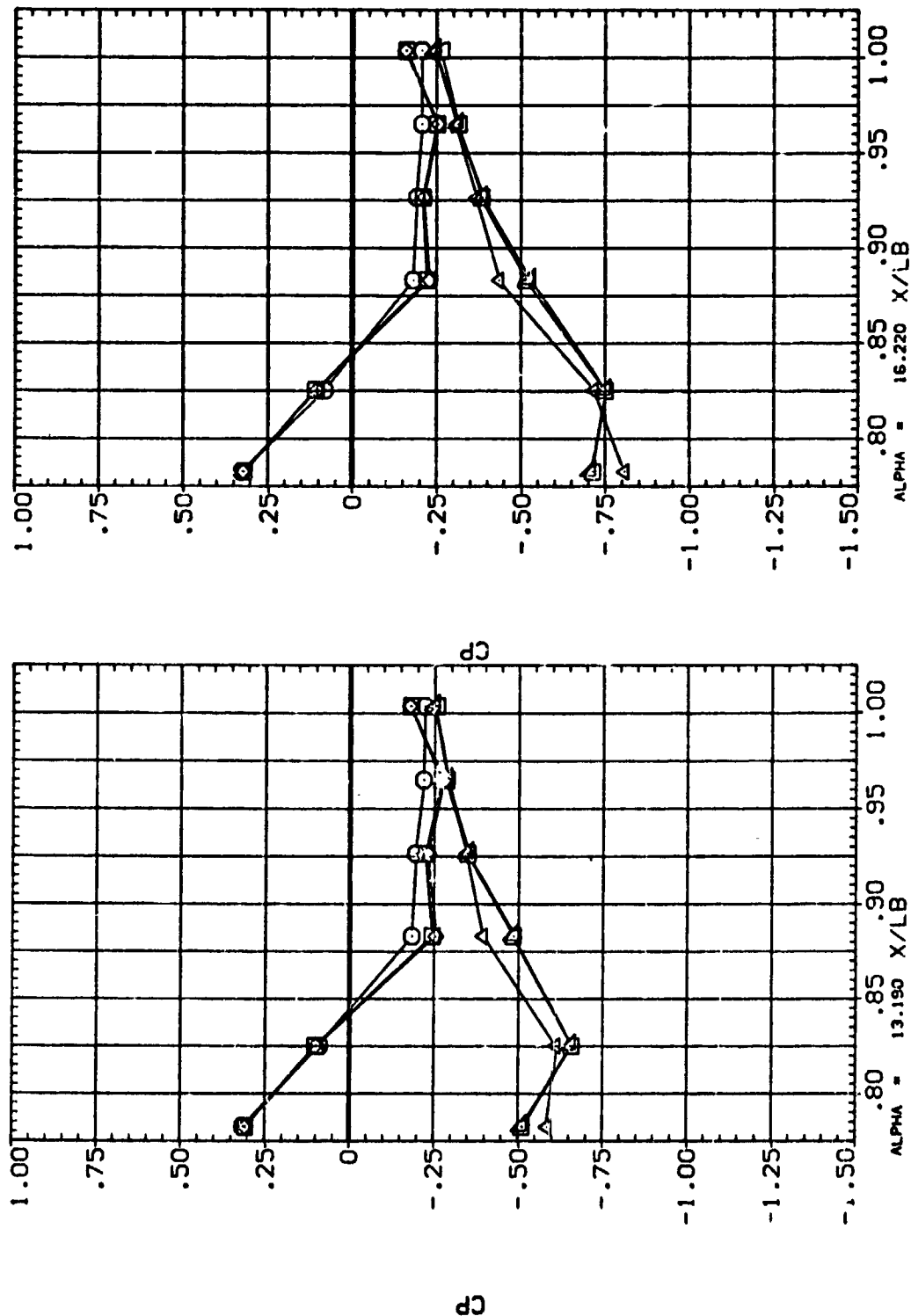


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 120.000

BETA	RUGGER	ELEVEN
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

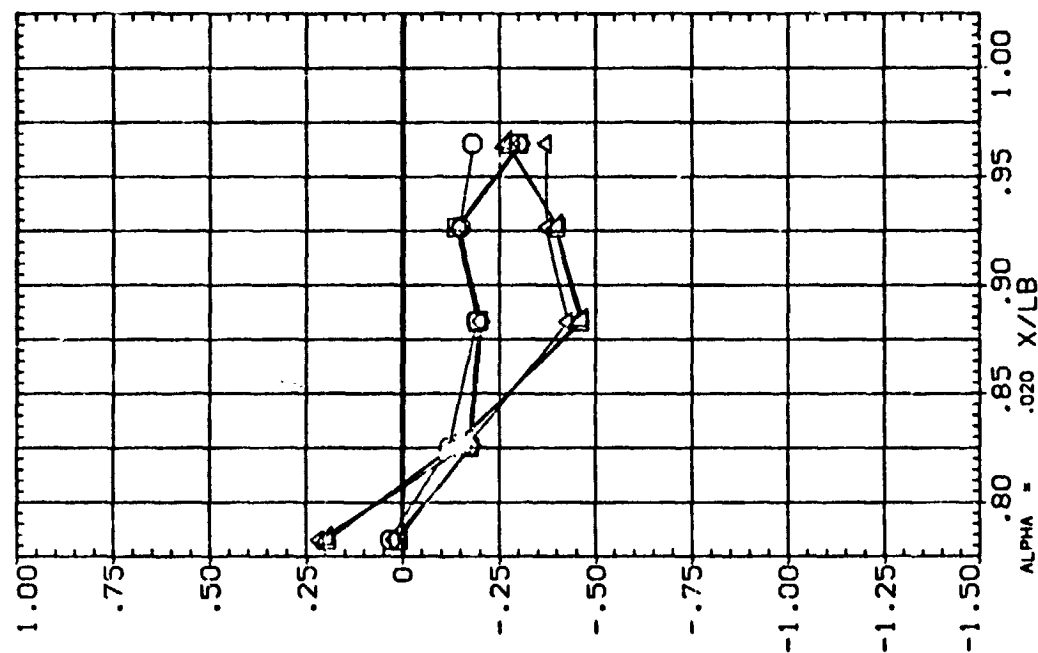
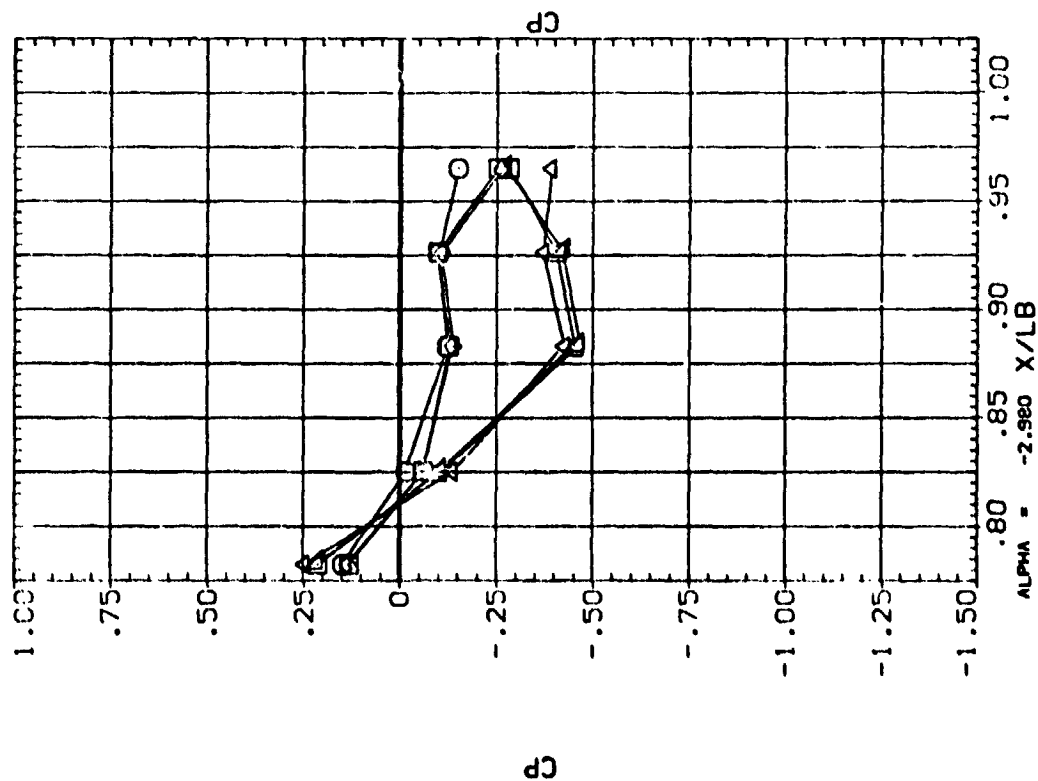


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10^\circ$

$$\text{ZETA} = -10.060 \quad \text{PHI} = 135.000$$

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
000003	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
000005	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
000007	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
000009	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
000011	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
000013	B26C9015M7F8N116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

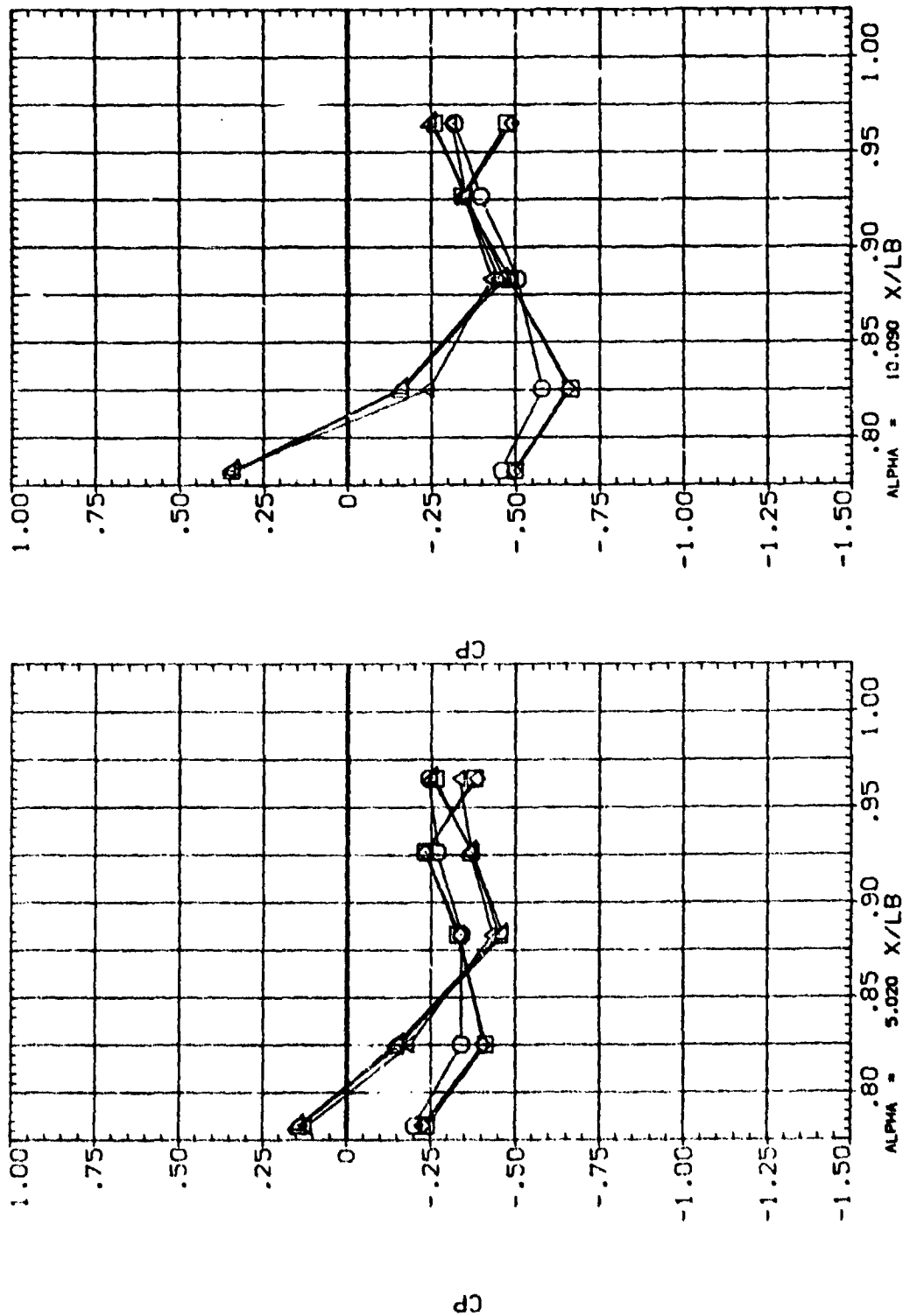


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 135.000 PAGE 158

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(P0303)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(P0305)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(P0307)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(P0309)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(P0311)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(P0313)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(P0315)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(P0317)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(P0319)		B26C9G15M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000

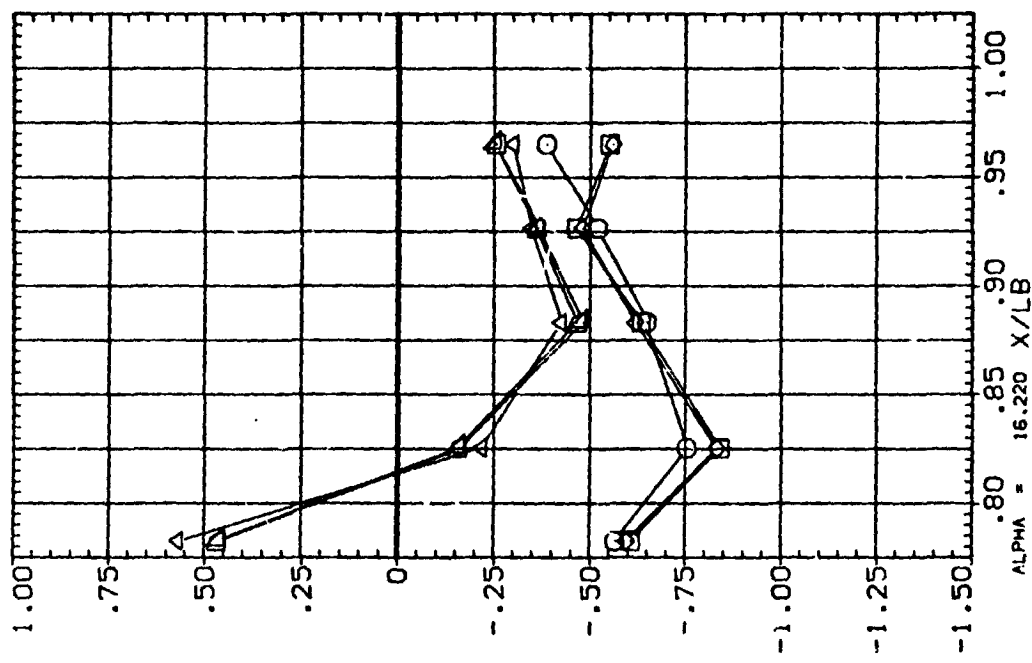
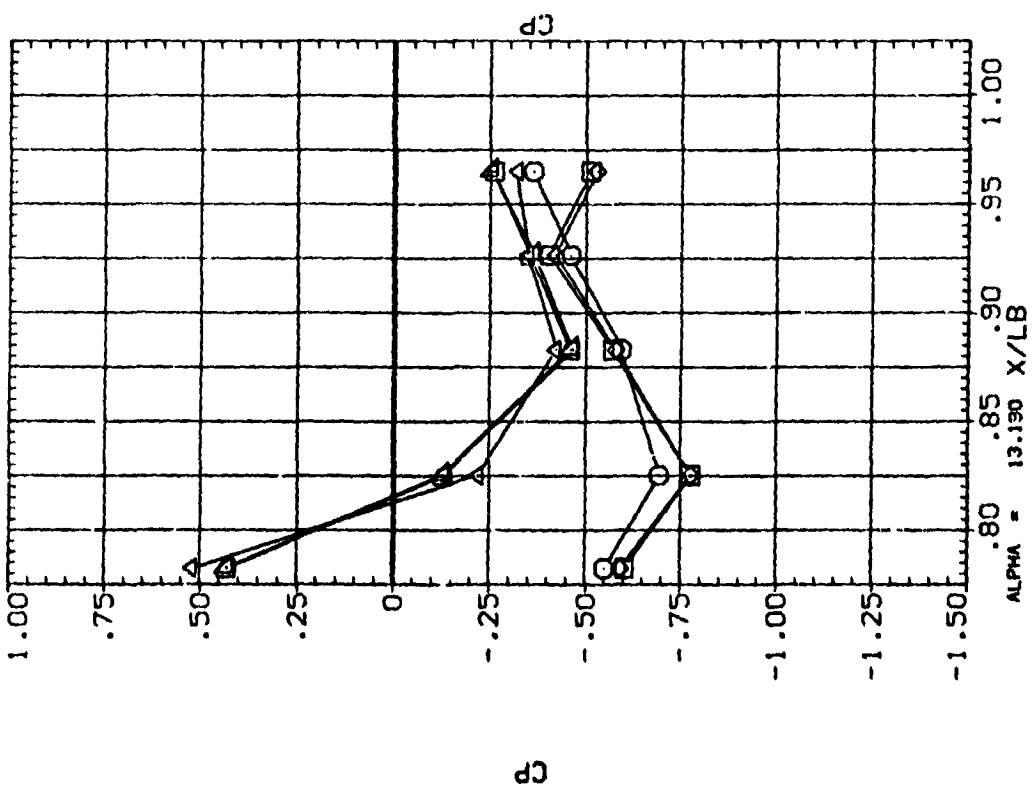


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 PHI = 135.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RC0803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0811) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0812) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (RC0813) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (RC0812) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

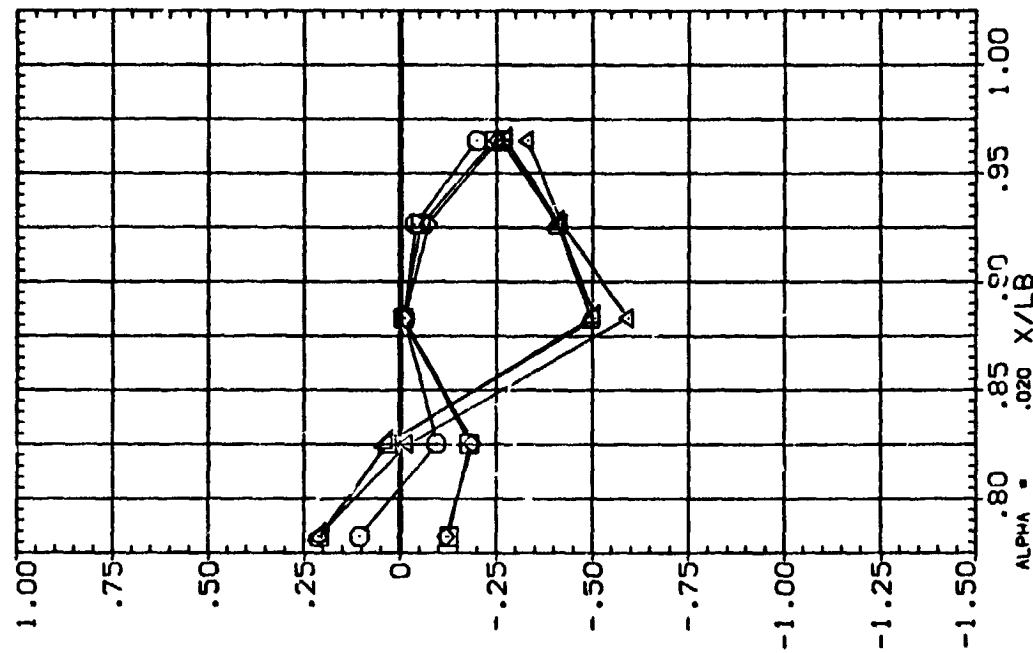
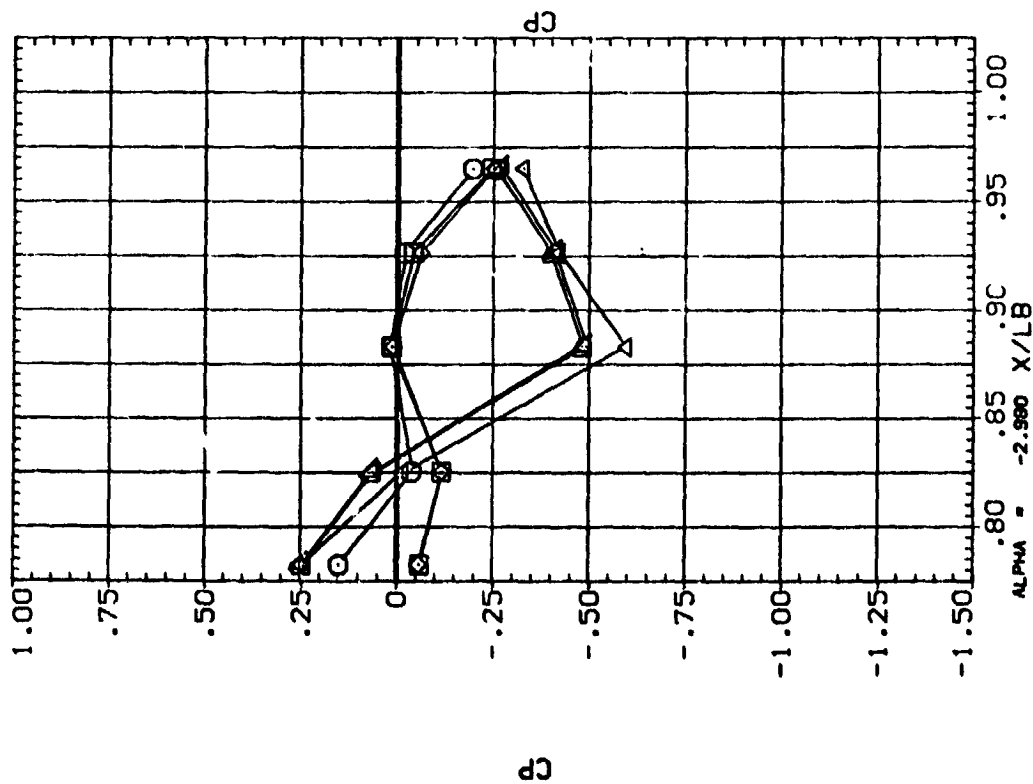


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT; BETA = -10

BETA = -10.060 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R02903)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02915)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02912)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02905)	B26C9G15M7F8W116E26V8S3X9	LEFT FUSELAGE
(R02915)	B26C9G15M7F8W116E26V8S3X9	RIGHT FUSELAGE
(R02912)	B26C9G15M7F8W116E26V8S3X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

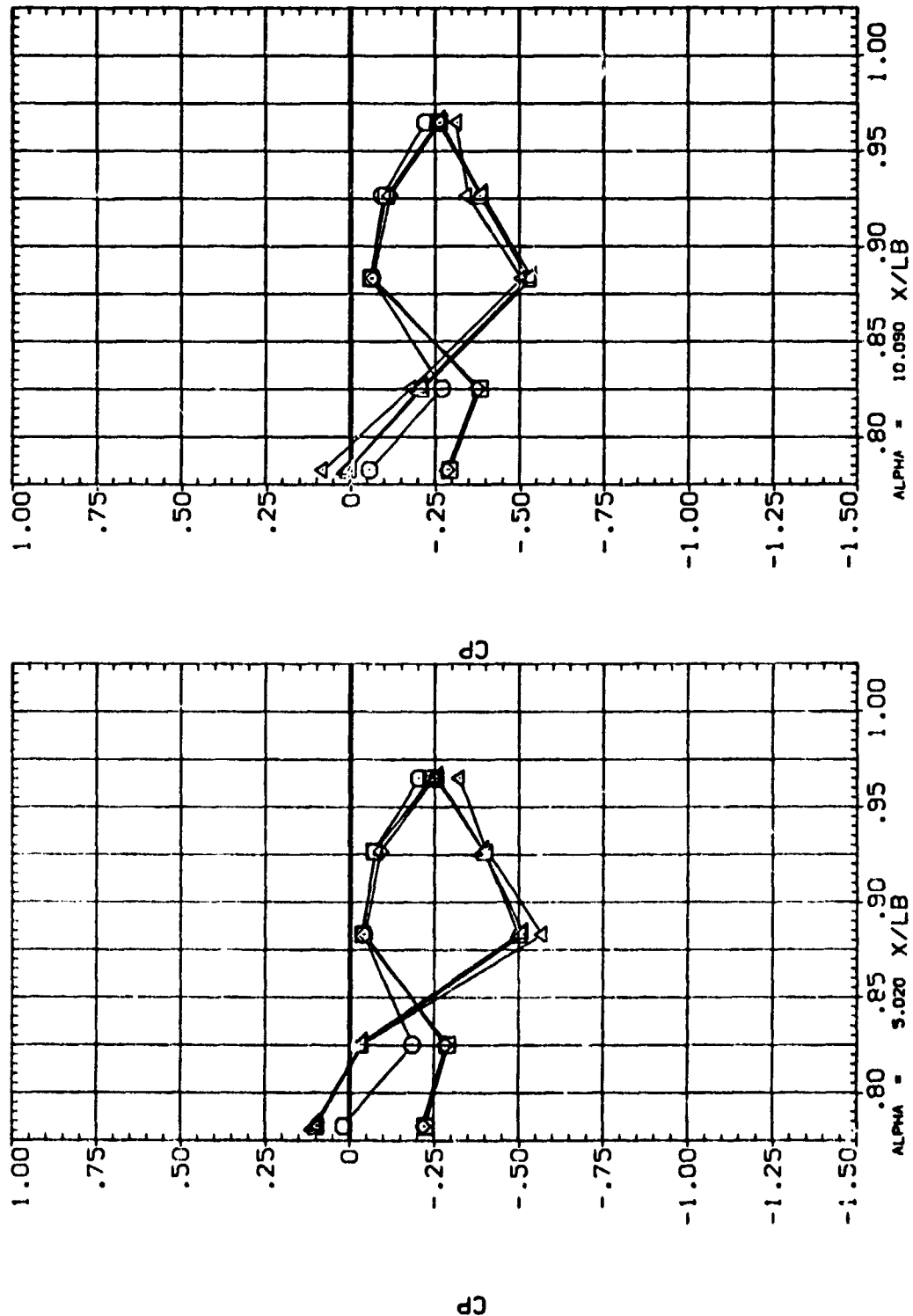


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 150.000

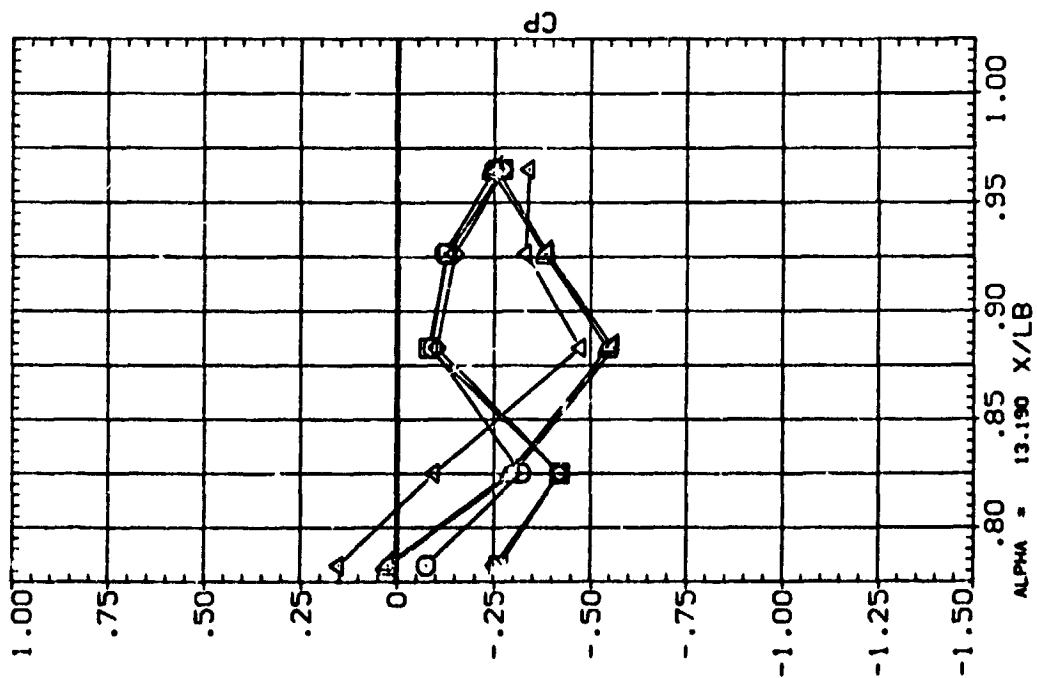
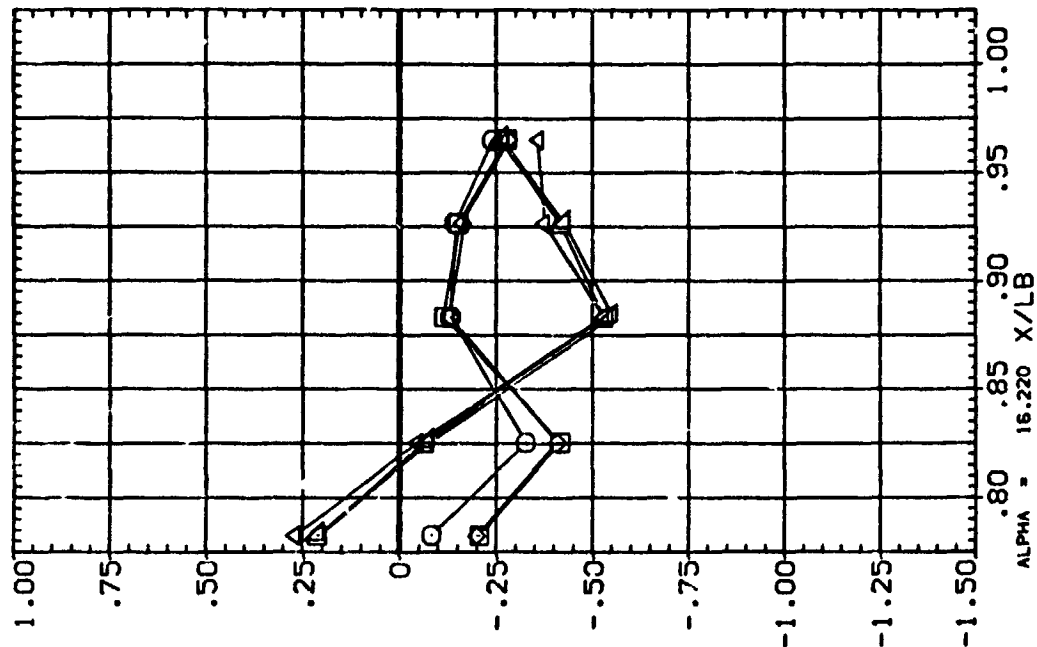
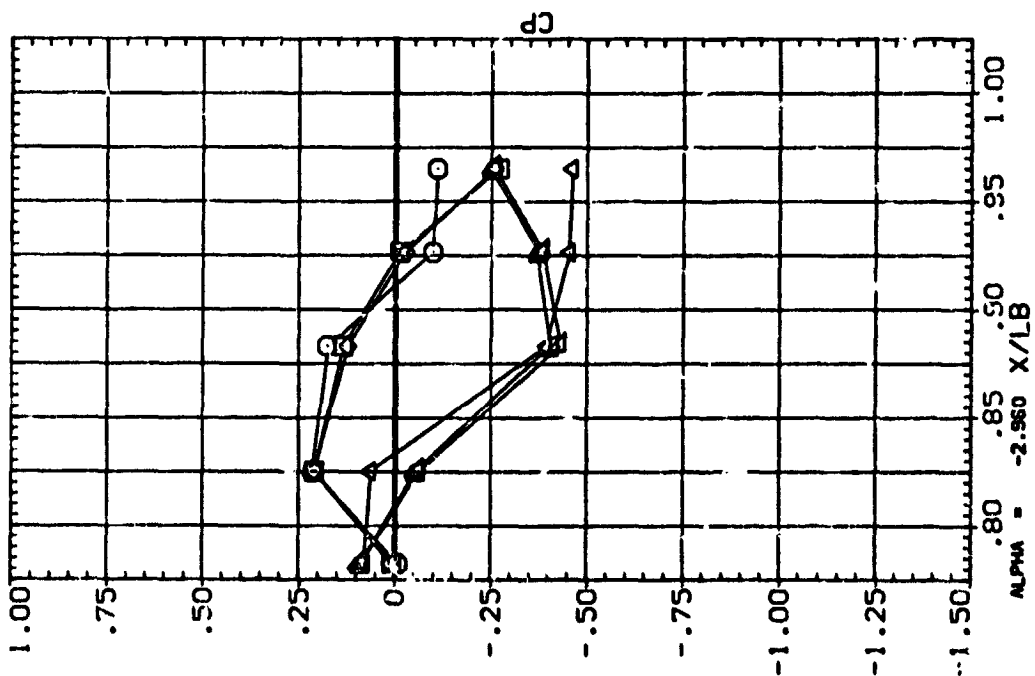
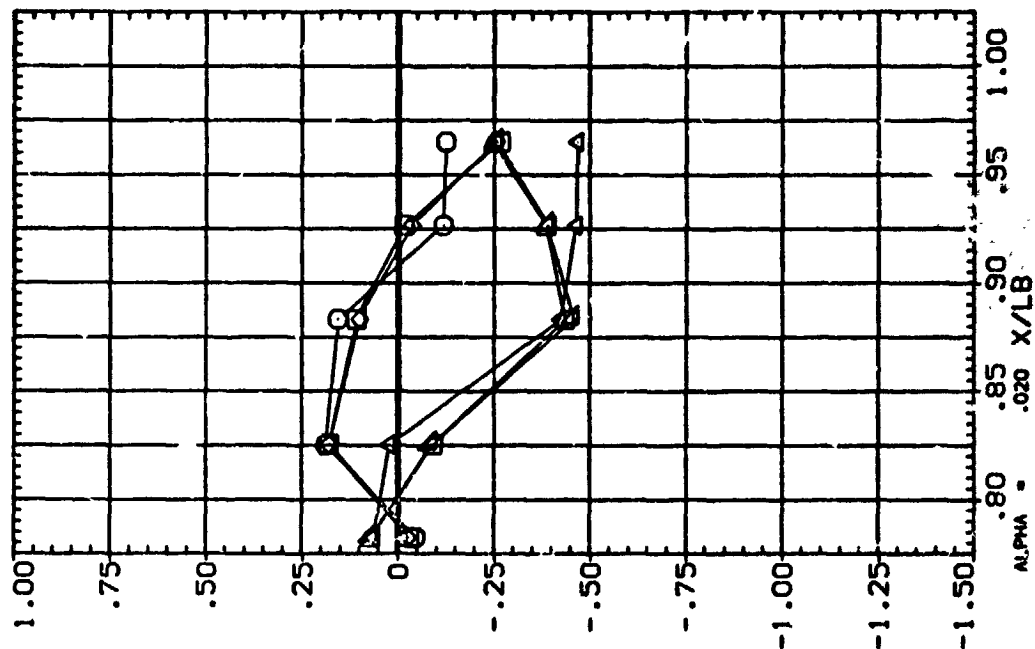
[illegible]

FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10^\circ$

BETA = -10.060 PHI = 150.000

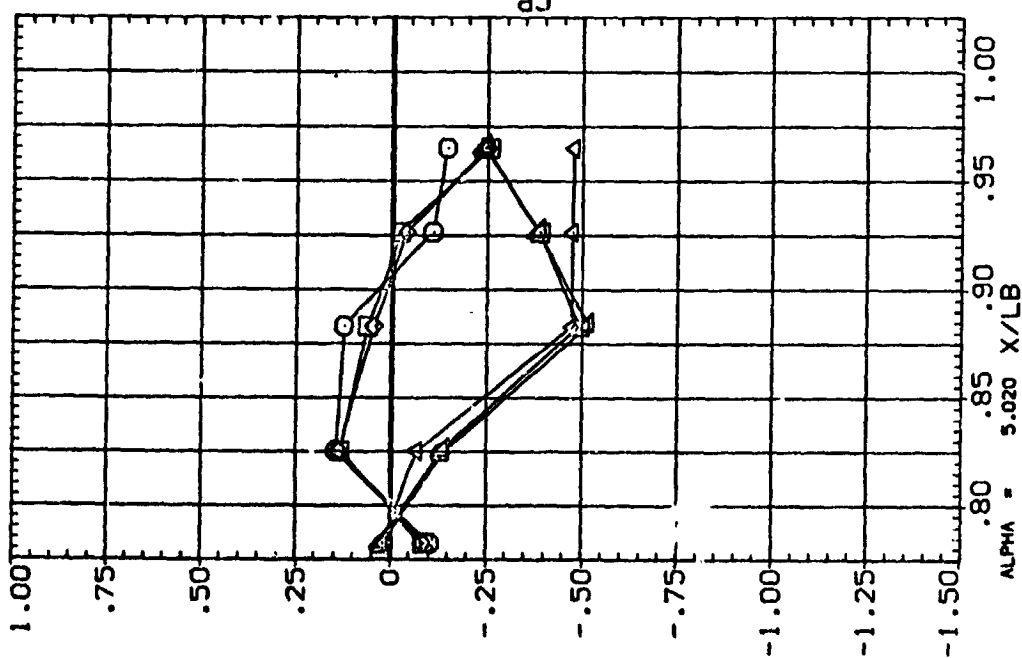
DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0803)	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R0815)	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R0805)	B26C9015M7F8N116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R0815)	B26C9015M7F8N116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R0812)	B26C9015M7F8N116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000



DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R0803)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0815)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0812)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0805)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R0815)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R0812)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE



BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

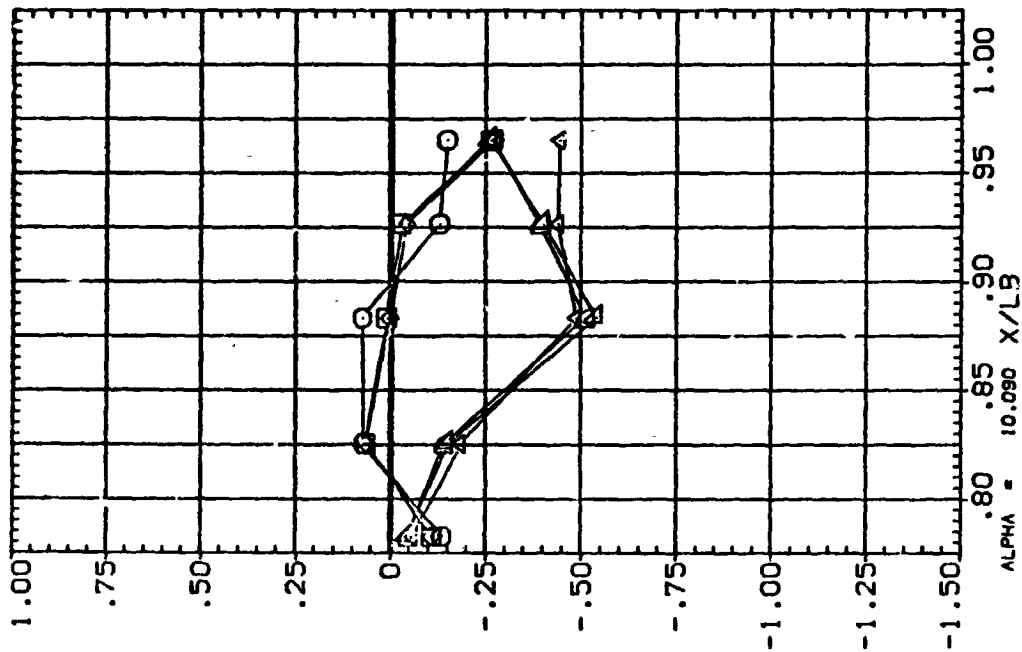


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BET, = -10

BETA = -10.060 PHI = 165.000

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R02B03)	□	B26C9G15W7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R02B15)	○	B26C9G15W7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	-7.500	.000
(R02B12)	△	B26C9G15W7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	-15.000	.000
(R02B05)	◇	B26C9G15W7F8W116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R02A15)	◇	B26C9G15W7F8W116E26V8R5X9 RIGHT FUSELAGE	-10.000	-7.500	.000
(R02A12)	◇	B26C9G15W7F8W116E26V8R5X9 RIGHT FUSELAGE	-10.000	-15.000	.000

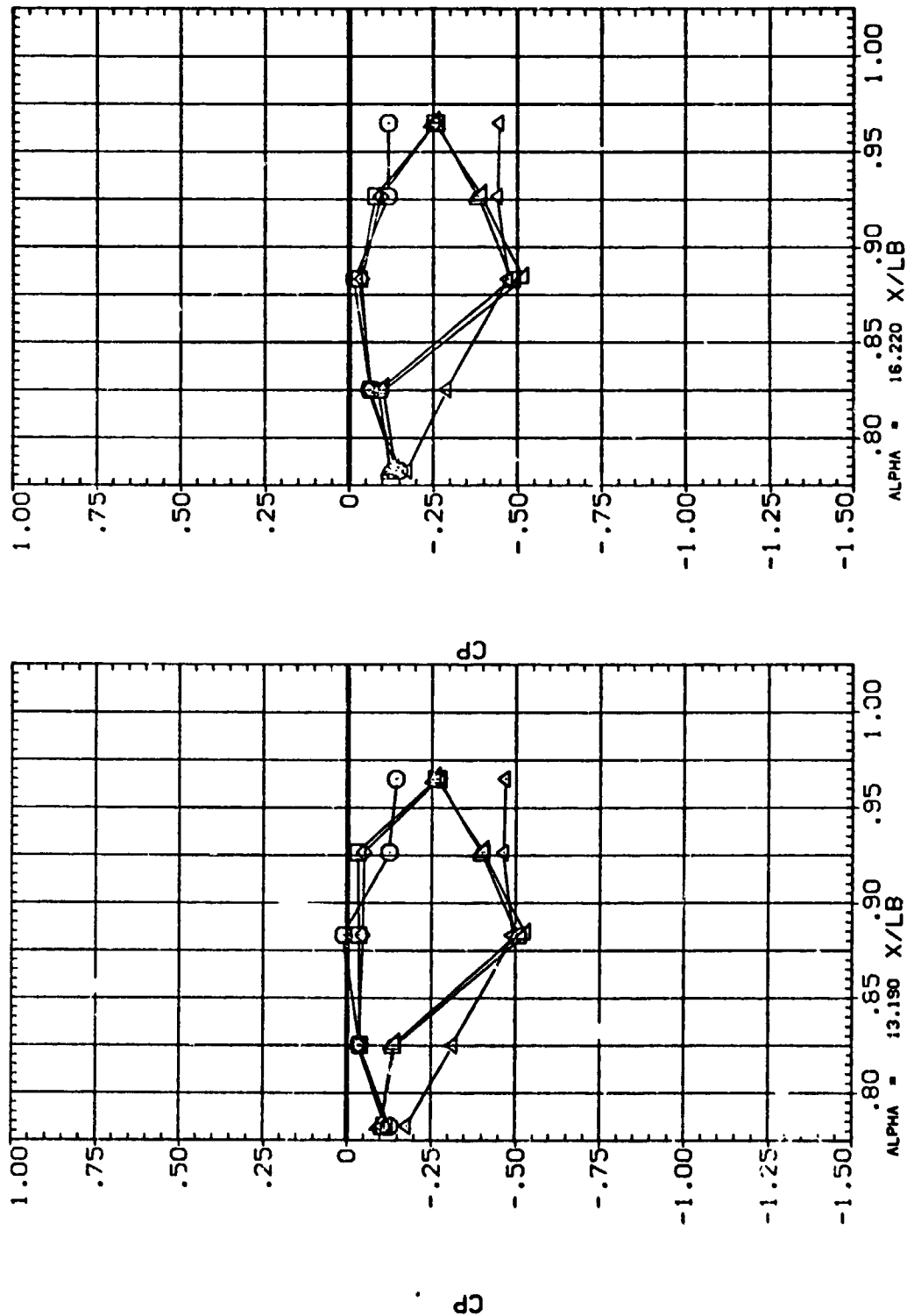


FIG. 19 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCB04)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(RDCB16)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(RDCB13)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(RDCB16)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(RDCB13)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

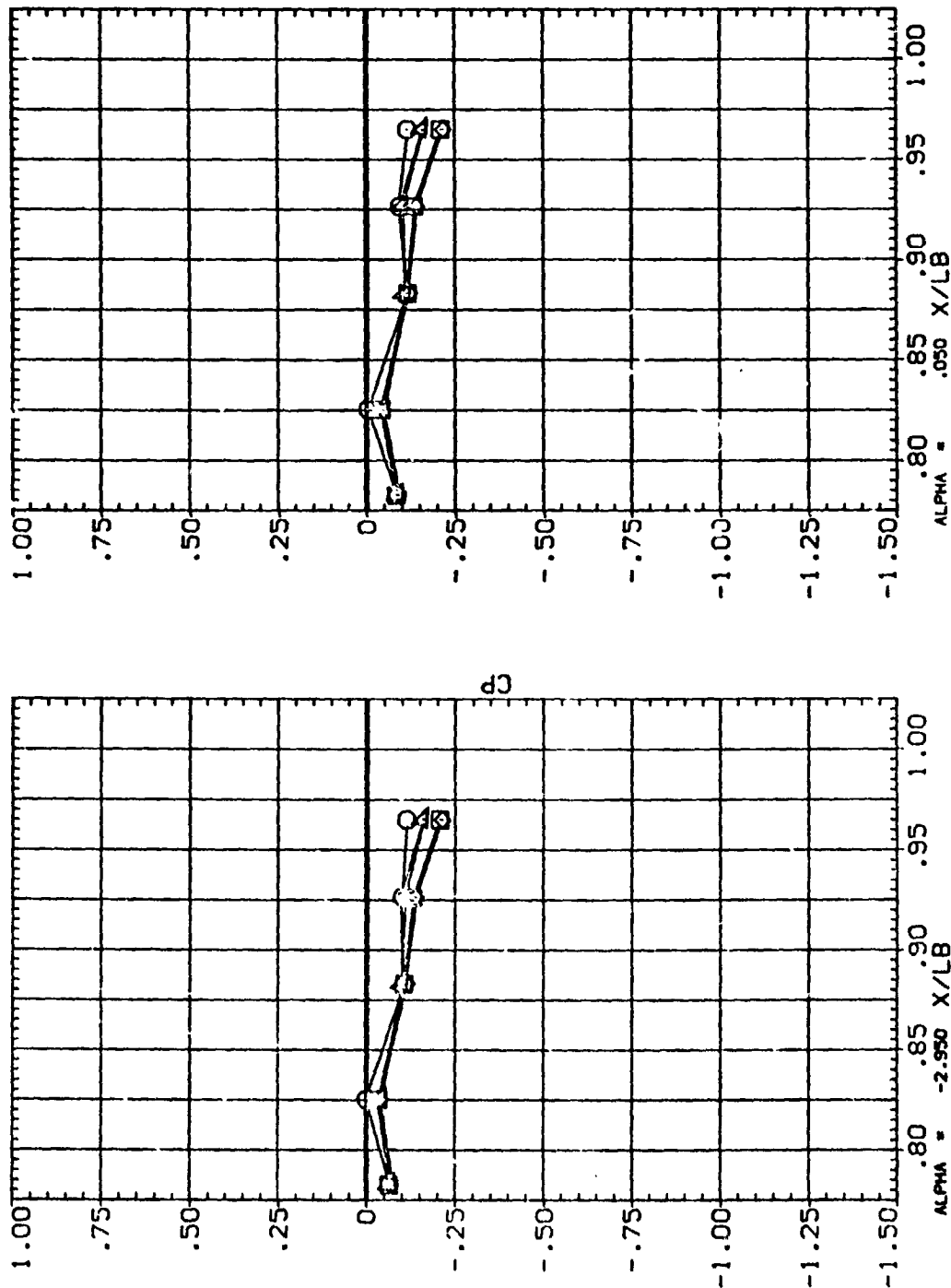


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -0.010 PHI = 90.000

DATA SET SYM-BOL CONFIGURATION DESCRIPTION

(R00804)	B26C9G15M7F8V116E26V8P5X9	LEFT FUSELAGE
(P. 2816)	B26C9G15M7F8V116E26V8P5X9	LEFT FUSELAGE
(R. 2813)	B26C9G15M7F8V116E26V8P5X9	LEFT FUSELAGE
(R00A16)	B26C9G15M7F8V116E26V8P5X9	RIGHT FUSELAGE
(R00A13)	B26C9G15M7F8V116E26V8P5X9	RIGHT FUSELAGE

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

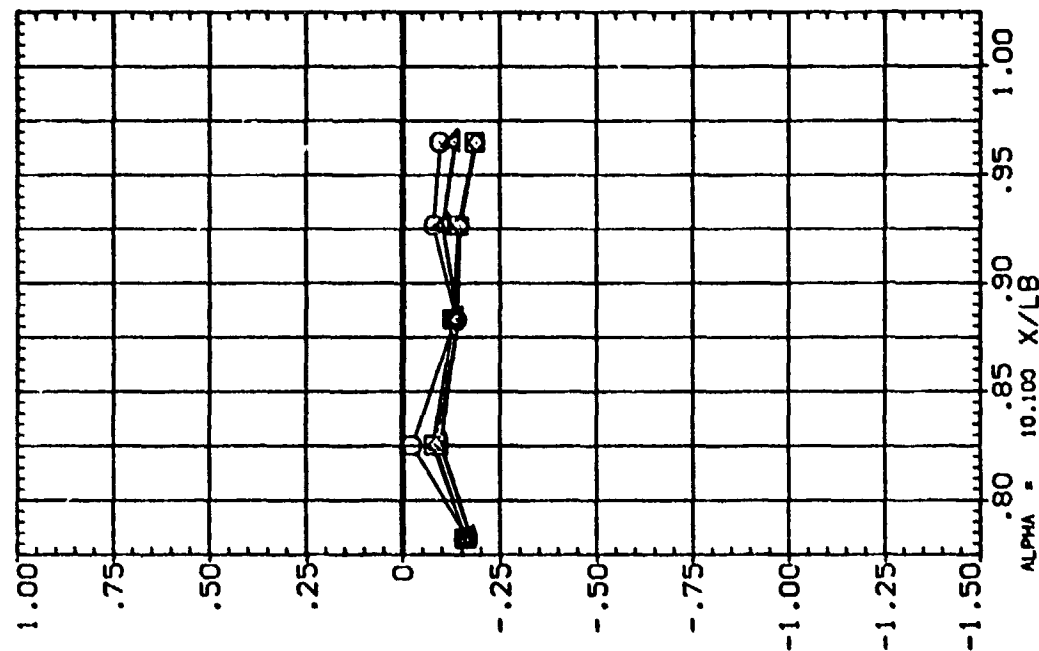
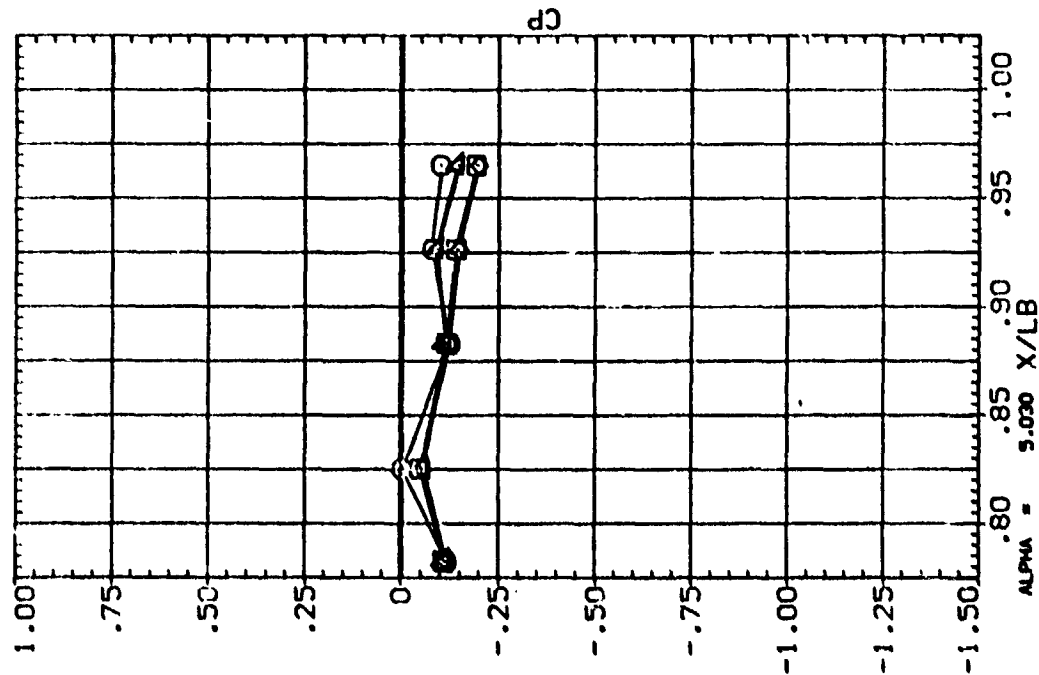


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00816) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00813) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A16) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A13) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

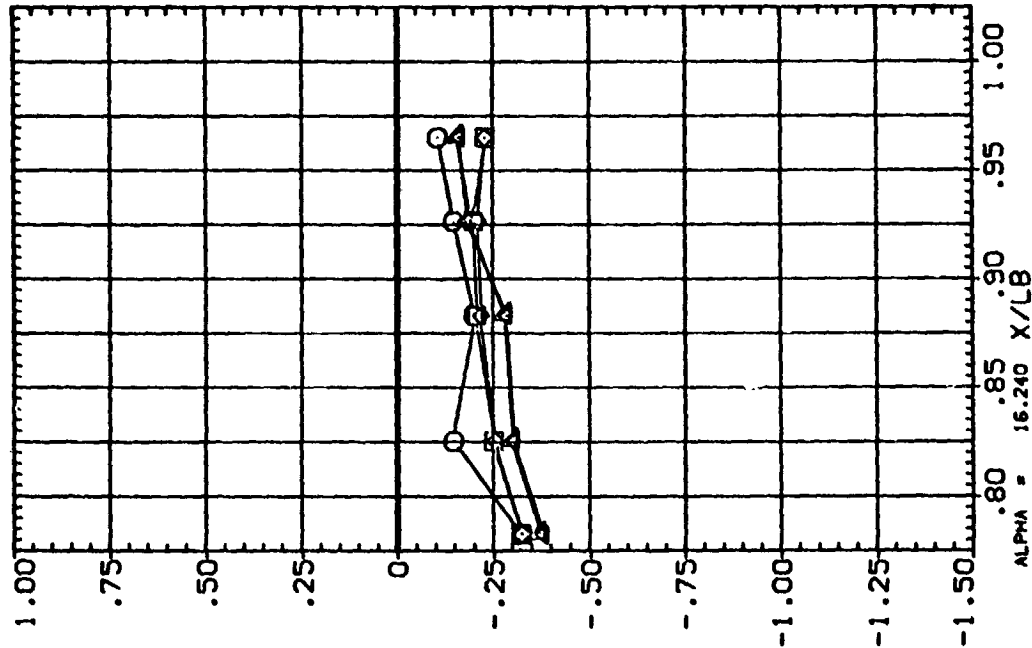
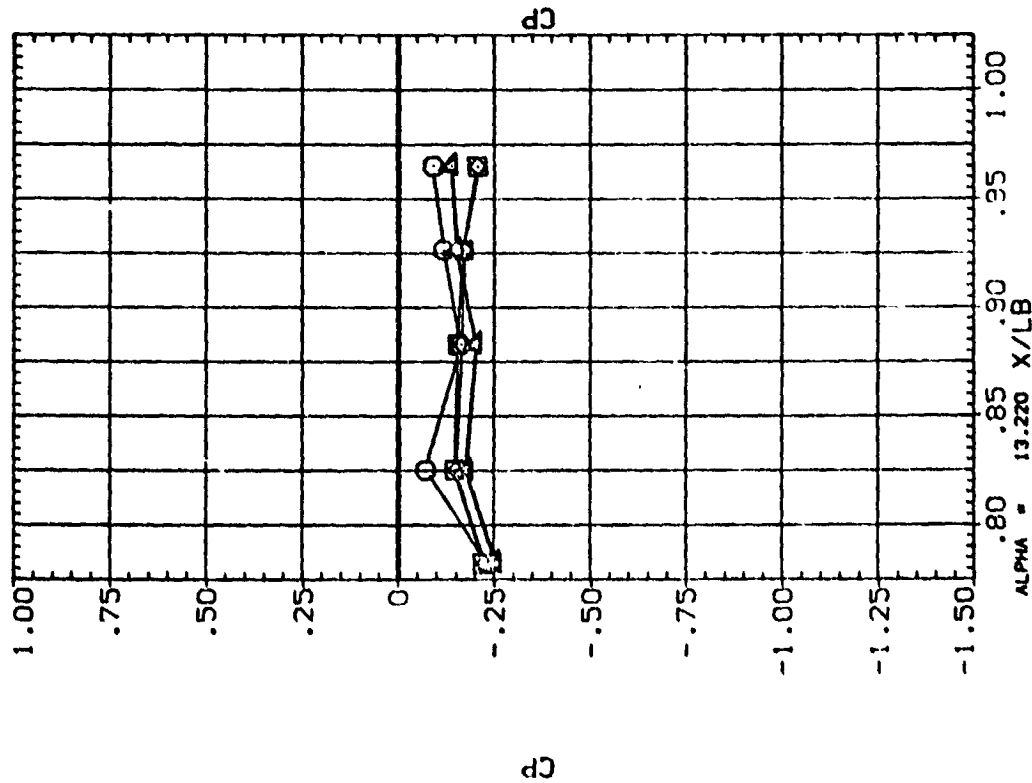


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 90.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00904)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00A16)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R00A13)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

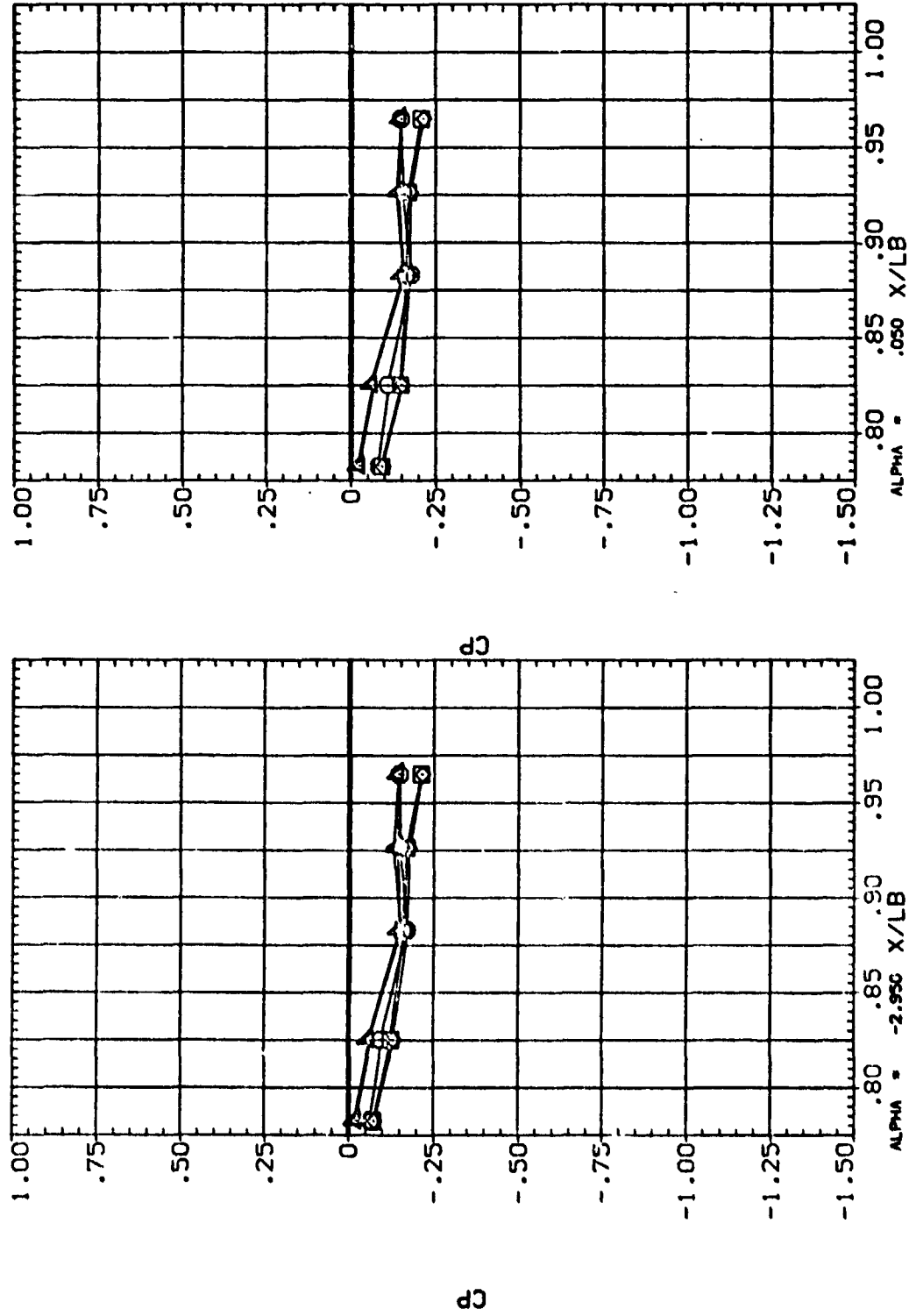


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 105.000

DATA SET SYMBOL

(R00804) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00816) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00812) B26C931547F8W116E26V8R3X9 LEFT FUSELAGE
 (R00A16) B26C931547F8W116E26V8R3X9 RIGHT FUSELAGE
 (R00A13) B26C931547F8W116E26V8R3X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

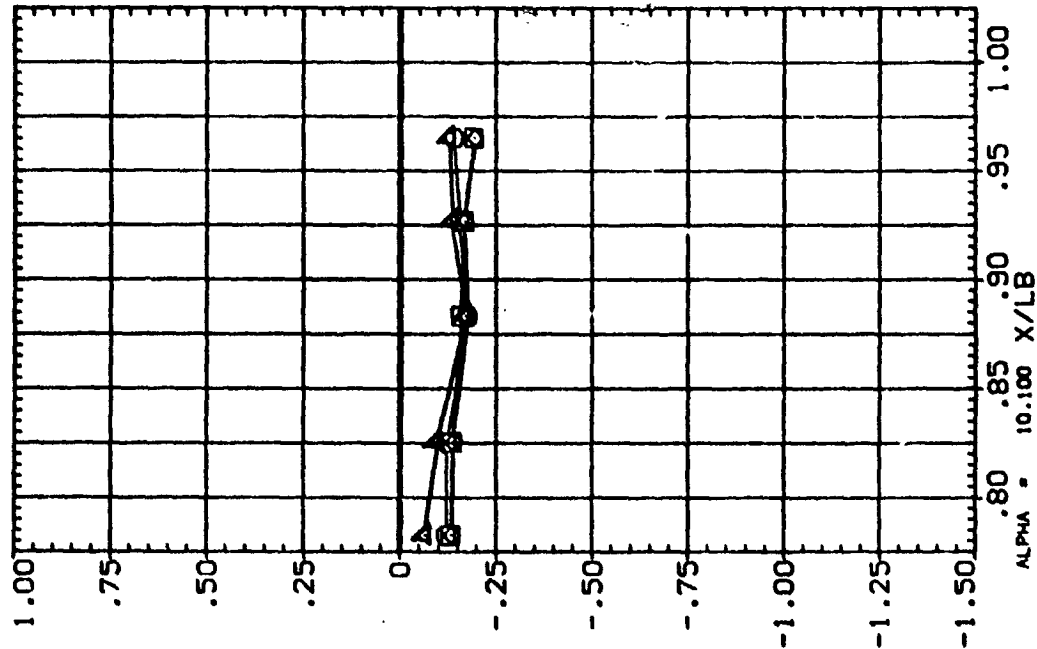
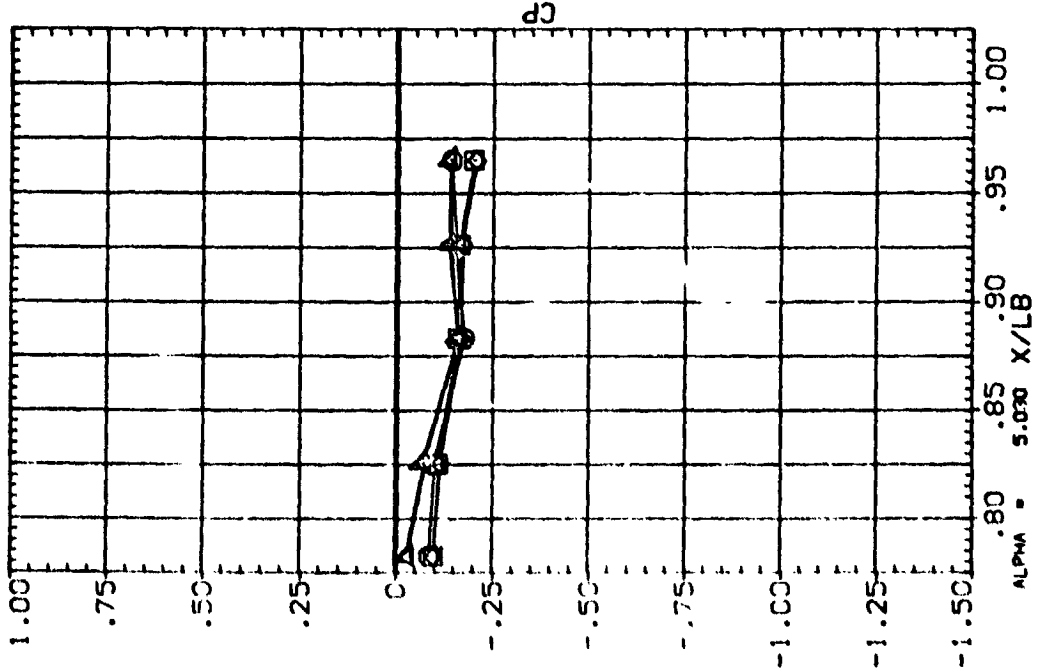
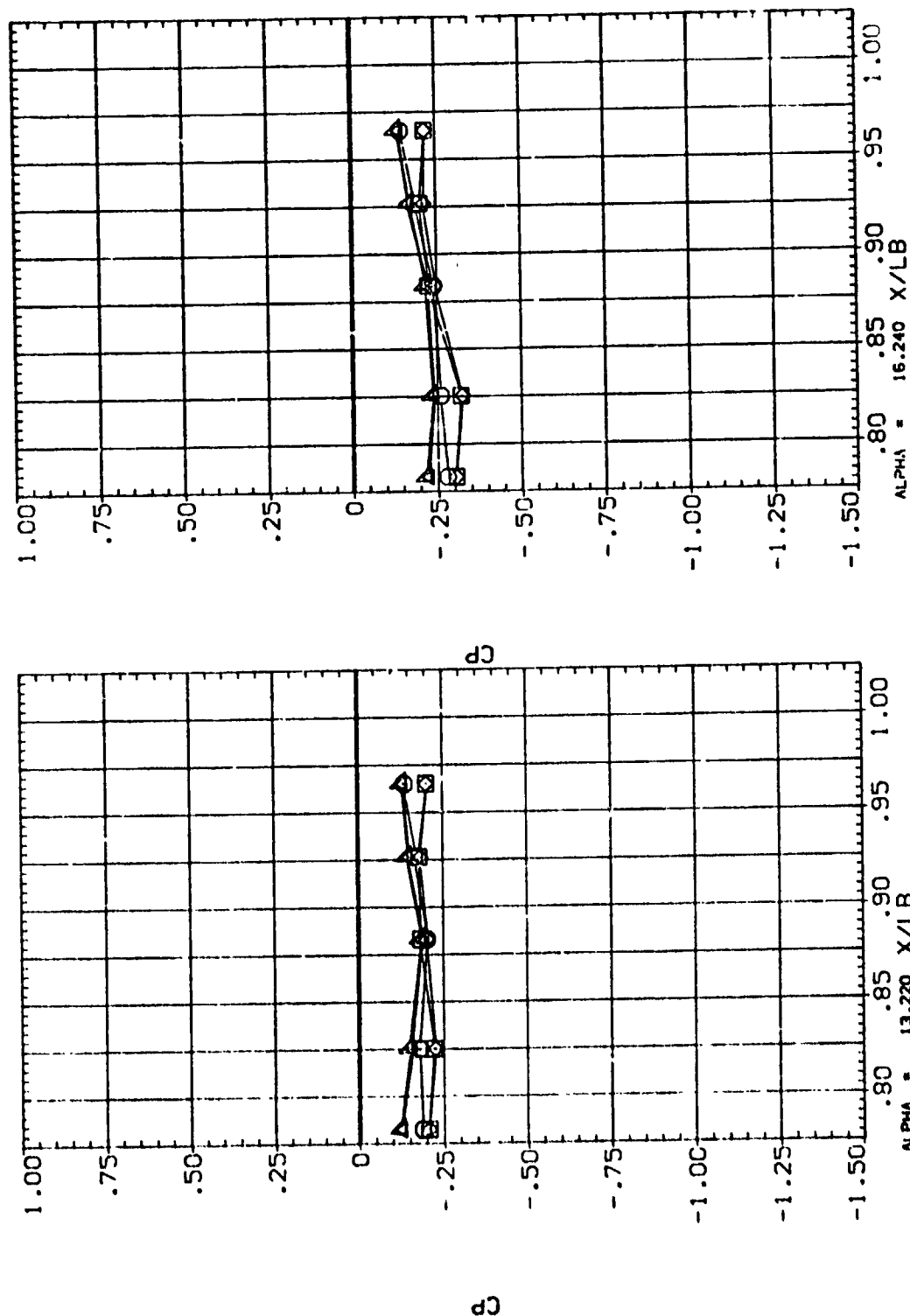


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 105.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0904) B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE
 (R0916) B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE
 (R0913) B26C9315M7F8W11E26V8R5X9 LEFT FUSELAGE
 (R0916) B26C9315M7F8W11E26V8R5X9 RIGHT FUSELAGE
 (R0913) B26C9315M7F8W11E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000



DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B04)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00B16)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00B13)	B26C5G15H7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C5G15H7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C5G15H7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

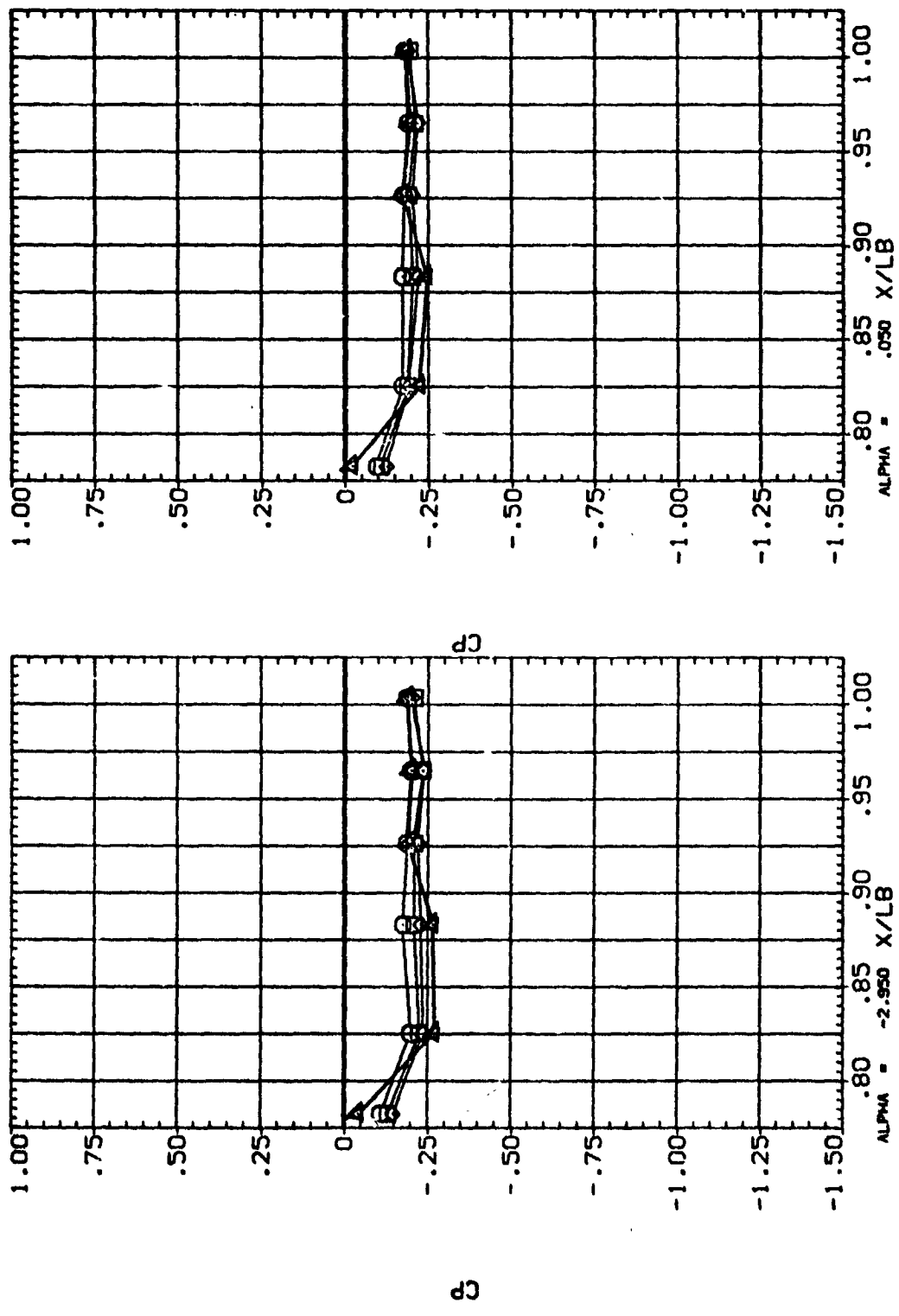


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL. CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00804)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00815)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00816)	B26C5G1 547F8W116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C5G1 547F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C5G1 547F8W116E26V8R5X9 RIGHT FUSELAGE	.000	-13.000	.000

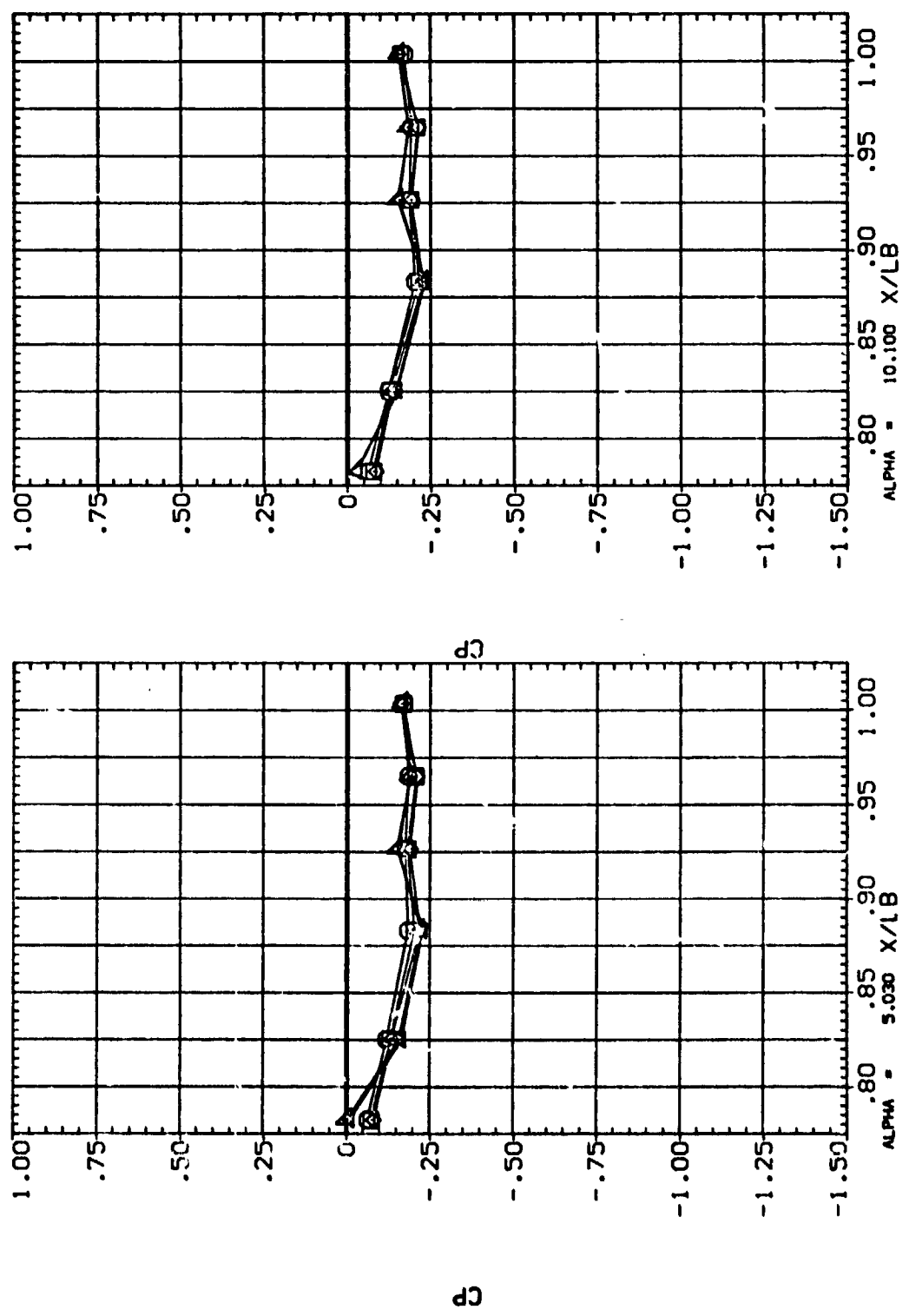


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00804)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8RSX9 LEFT FUSELAGE
(R00A16)	B26C9G15M7F8W116E26V8RSX9 RIGHT FUSELAGE
(R00A13)	B26C9G15M7F8W116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

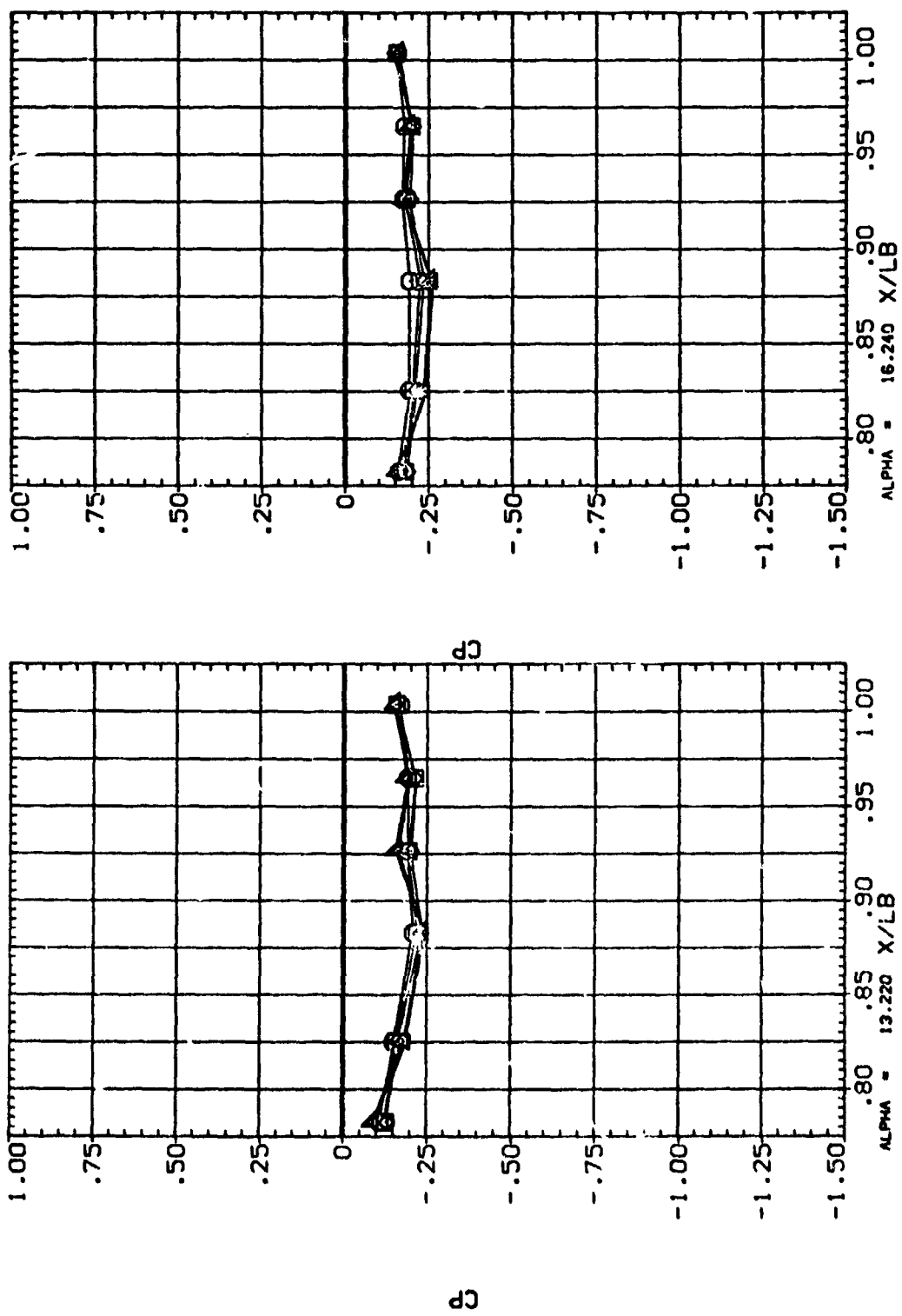


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 PHI = 120.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00804)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00816)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE
(R00813)	B26C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

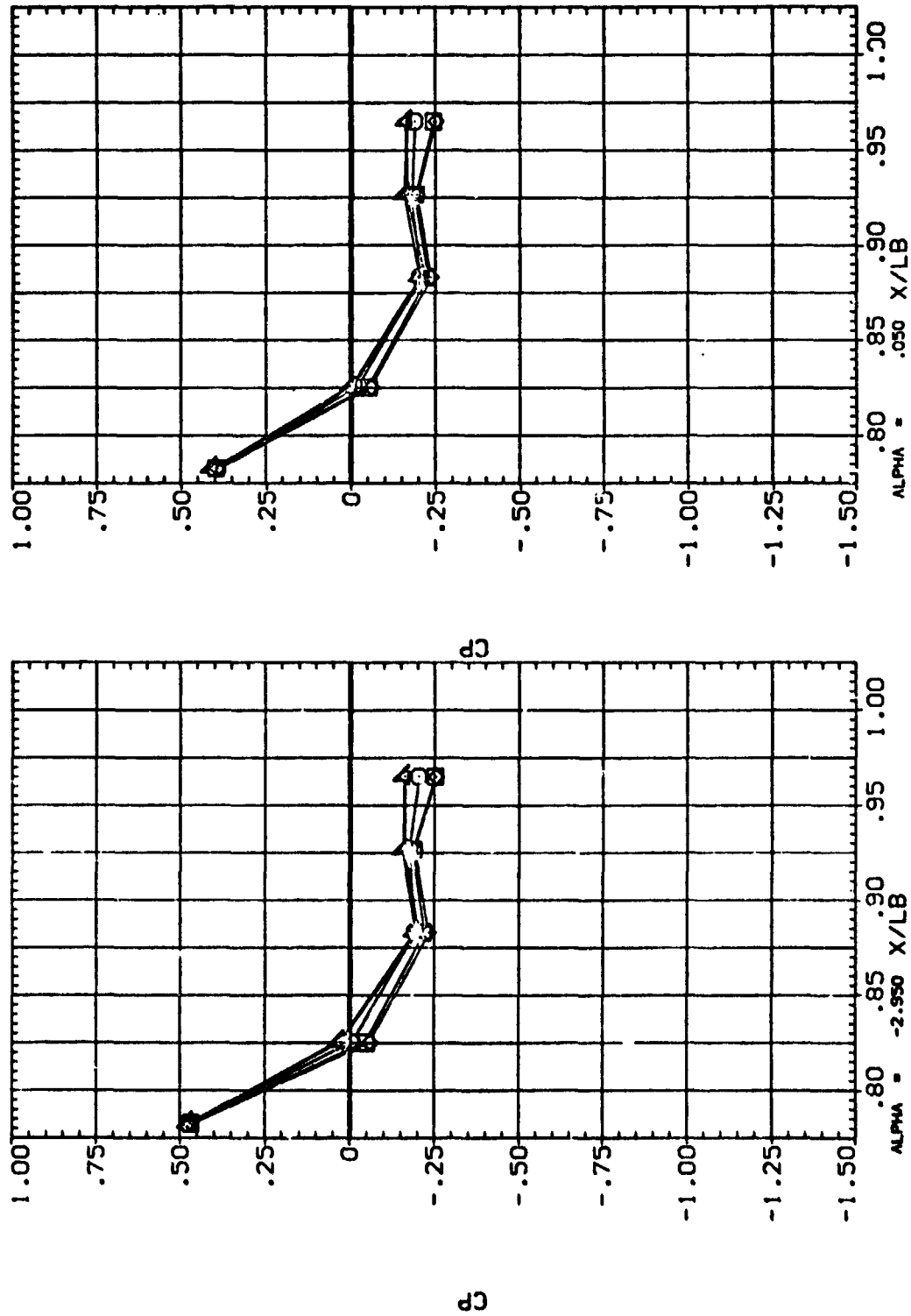


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G154778W116E26V8R5X9 LEFT FUSELAGE
 (R00816) B26C9G154778W116E26V8R5X9 LEFT FUSELAGE
 (R00813) B26C9G154778W116E26V8R5X9 LEFT FUSELAGE
 (R00A16) B26C9G154778W116E26V8R5X9 RIGHT FUSELAGE
 (R00A13) B26C9G154778W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

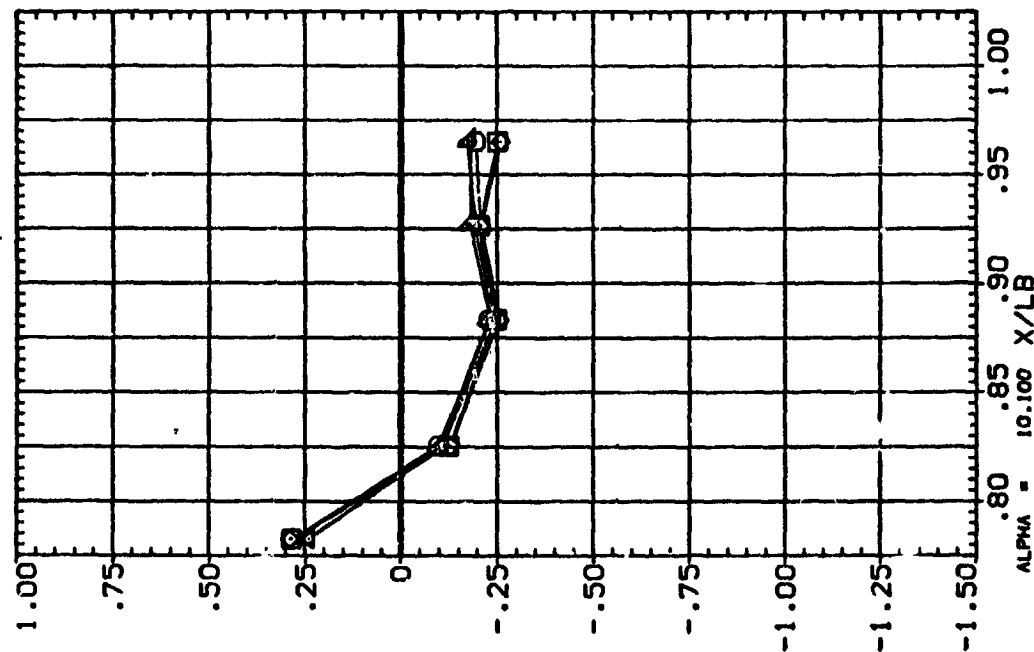
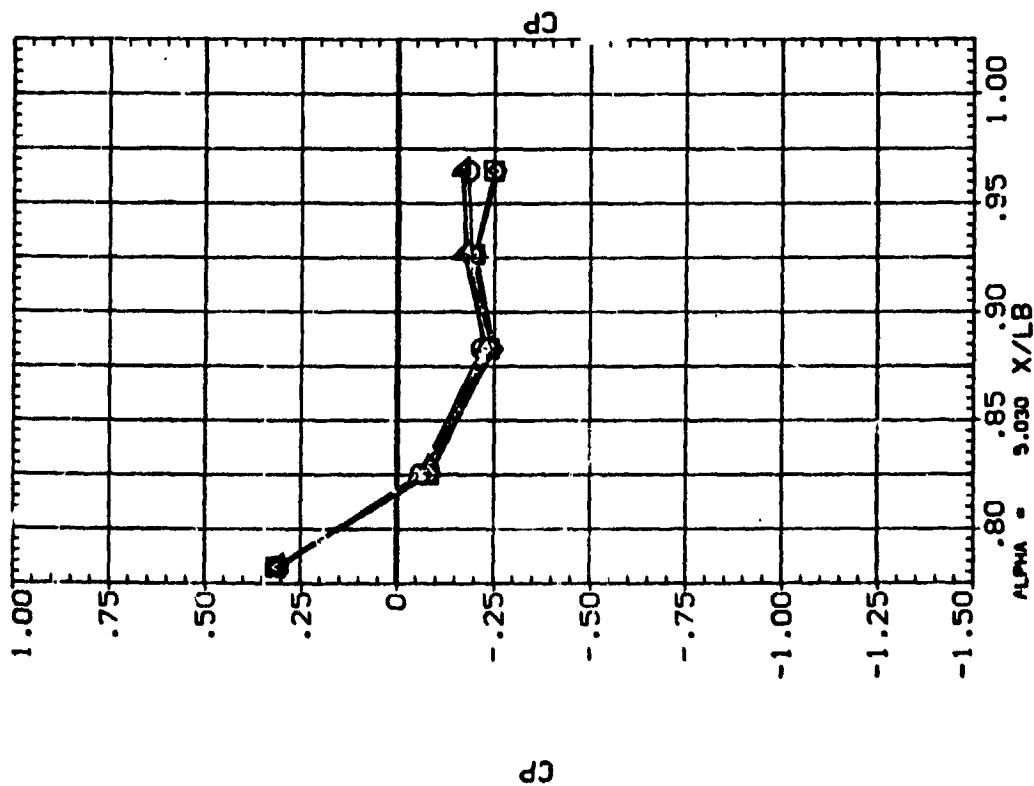


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -0.010 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00804)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00815)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00813)	B26C9G15H7F8V116E26V8R5X9	LEFT FUSELAGE
(R00A16)	B26C9G15H7F8V116E26V8R5X9	RIGHT FUSELAGE
(R00A13)	B26C9G15H7F8V116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

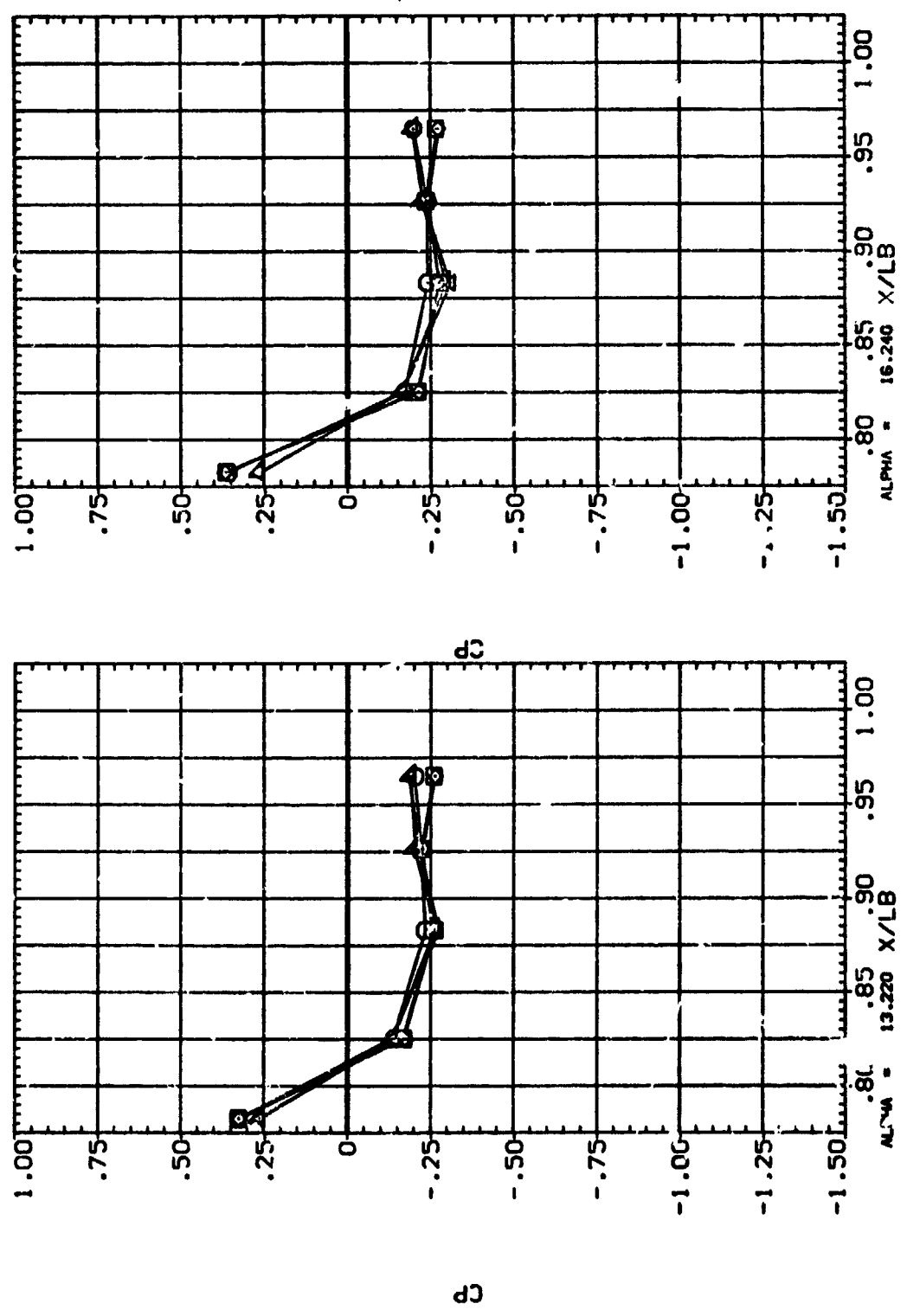


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00804) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00813) B26C9G1SH7F8V116E2SV8RSX9 LEFT FUSELAGE
 (R00A16) B26C9G1SH7F8V116E2SV8RSX9 RIGHT FUSELAGE
 (R00A13) B26C9G1SH7F8V116E2SV8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

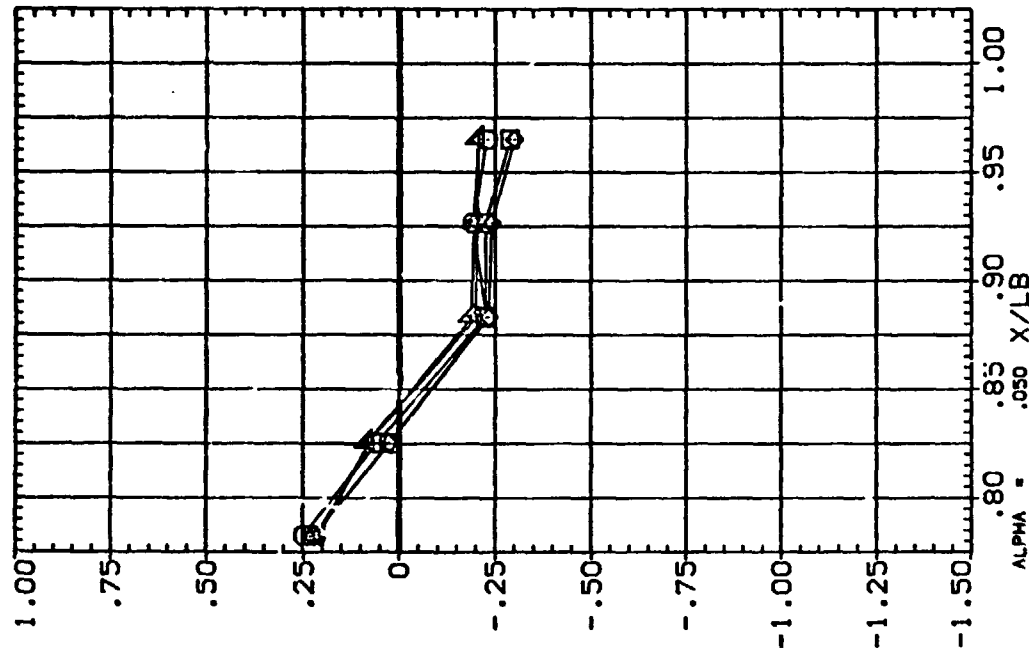
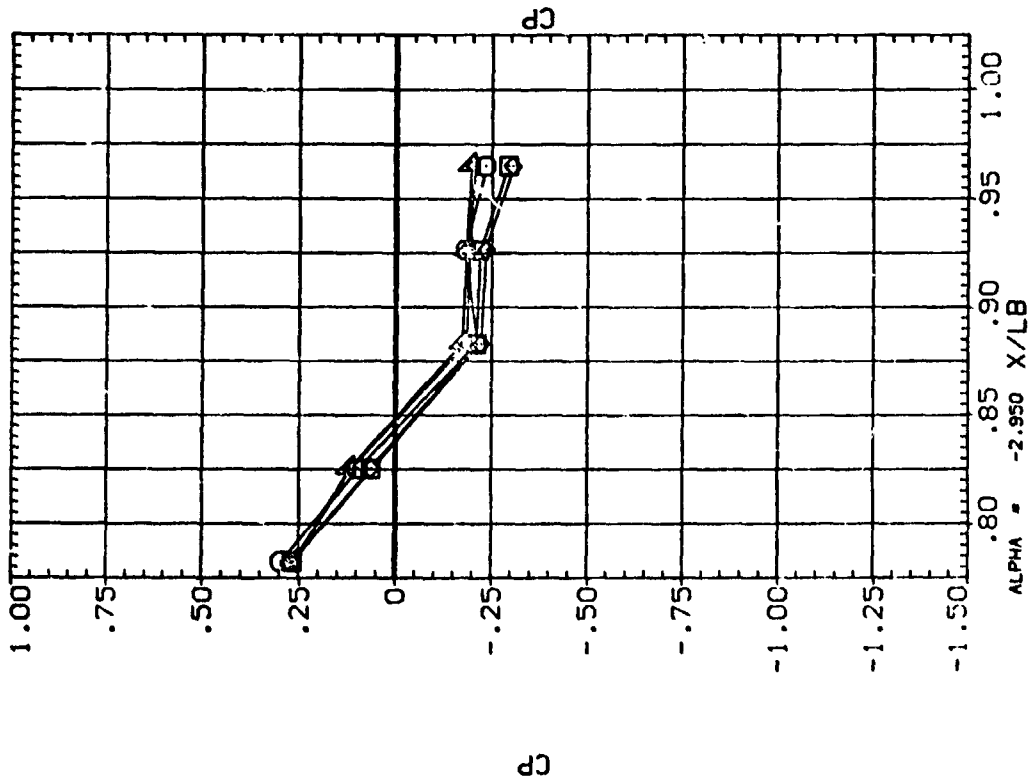


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

(R00004) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00016) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00012) B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00013) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00016) B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE

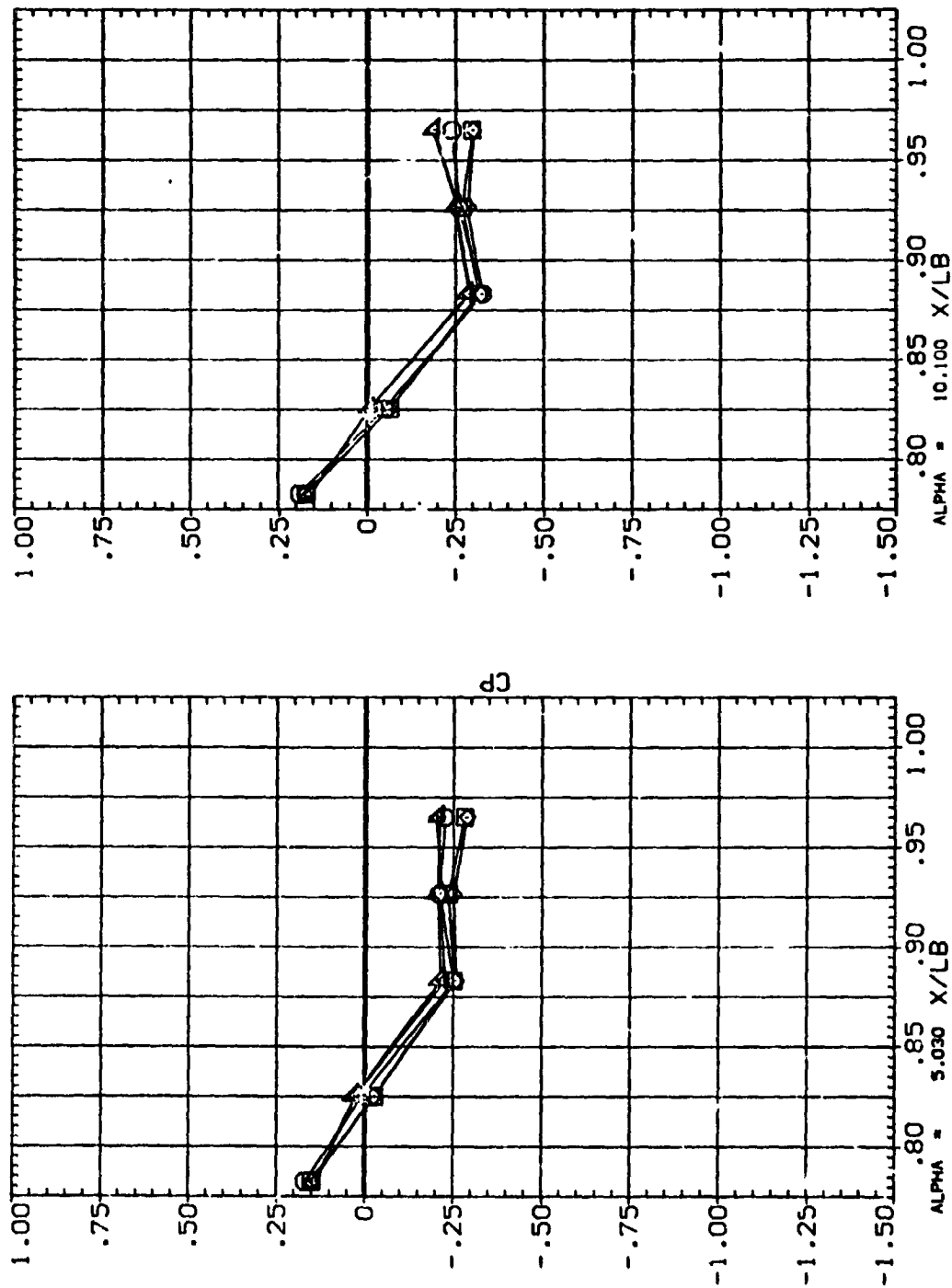


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00804) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00813) B26C9G1SM7F8V116E26V8RSX9 LEFT FUSELAGE
 (R00816) B26C9G1SM7F8V116E26V8RSX9 RIGHT FUSELAGE
 (R00813) B26C9G1SM7F8V116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

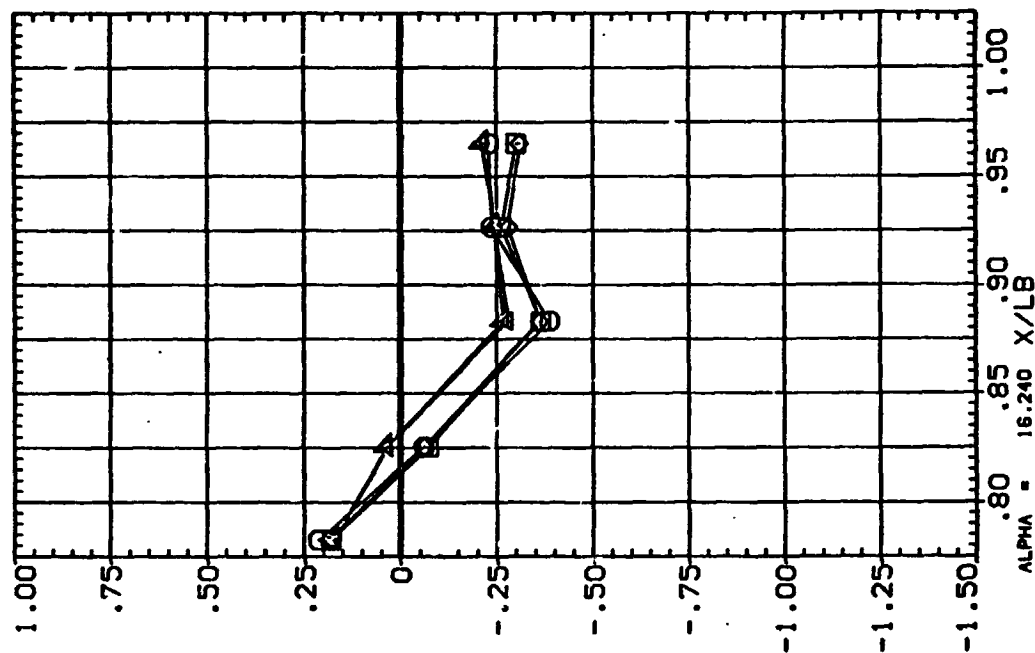
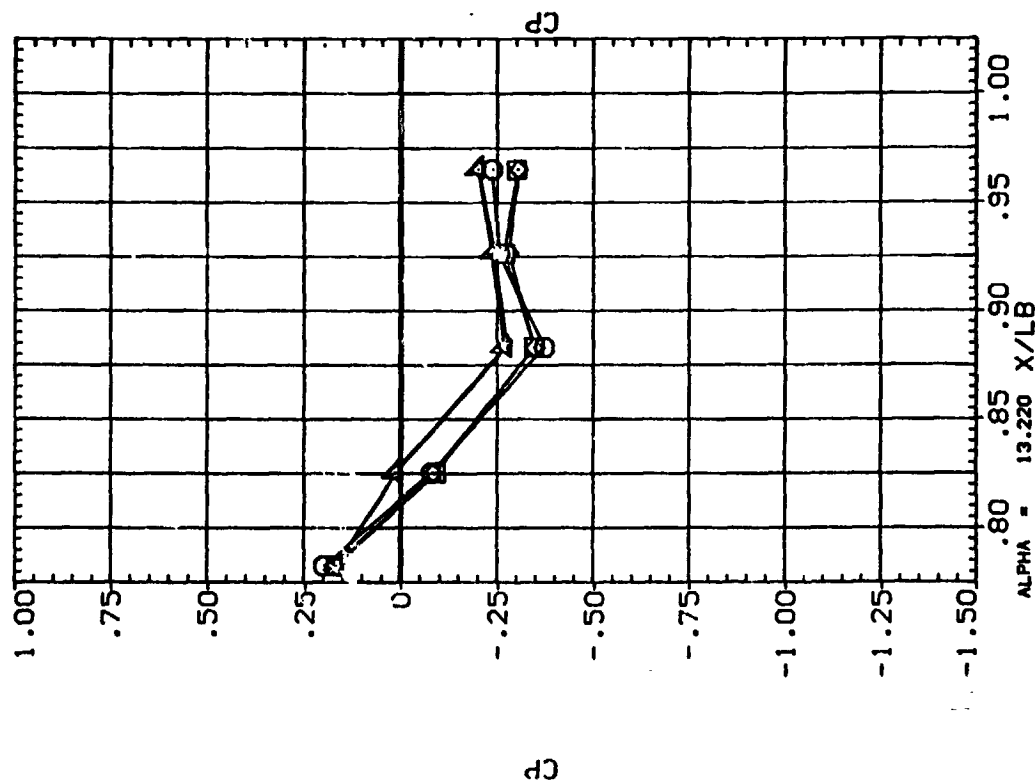


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTOR
 (R02804) B26C9G1SMT7F8W116E26V8P5X9 LEFT FUSELAGE
 (R02805) B26C9G1SMT7F8W116E26V8P5X9 LEFT FUSELAGE
 (R02806) B26C9G1SMT7F8W116E26V8P5X9 LEFT FUSELAGE
 (R02807) B26C9G1SMT7F8W116E26V8P5X9 LEFT FUSELAGE
 (R02808) B26C9G1SMT7F8W116E26V8P5X9 RIGHT FUSELAGE
 (R02809) B26C9G1SMT7F8W116E26V8P5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

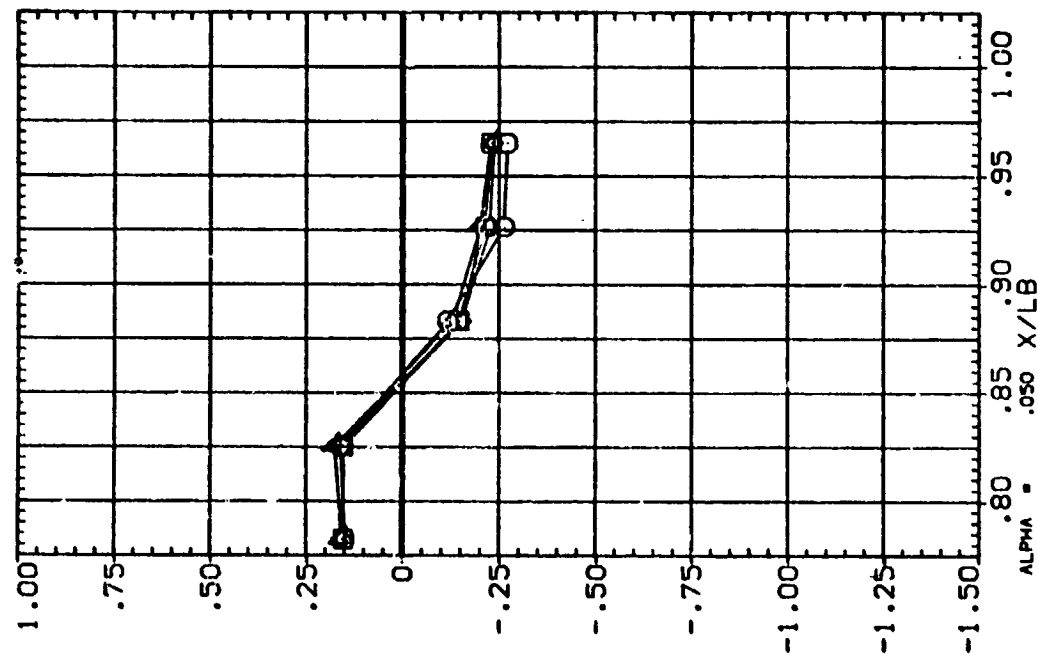
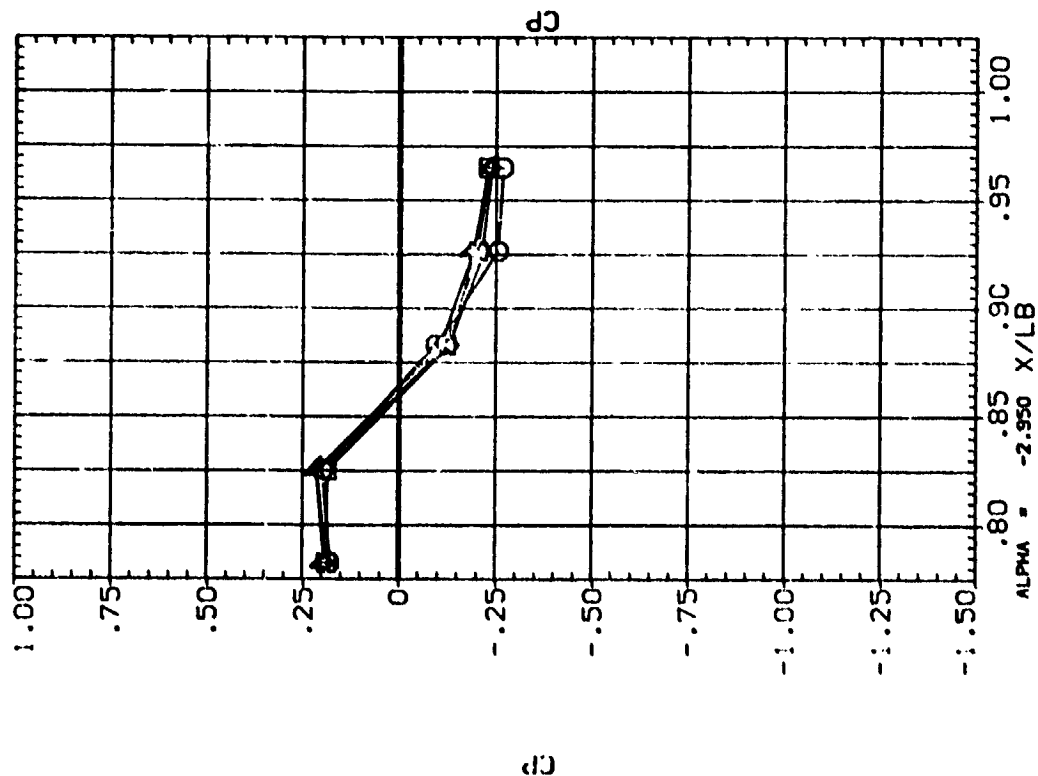


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

SETA = -.010 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00B04)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00B16)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00B13)	B26C9G1SH7F8W116E26V8RSX9 LEFT FUSELAGE
(R00A16)	B26C9G1SH7F8W116E26V8RSX9 RIGHT FUSELAGE
(R00A13)	B26C9G1SH7F8W116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

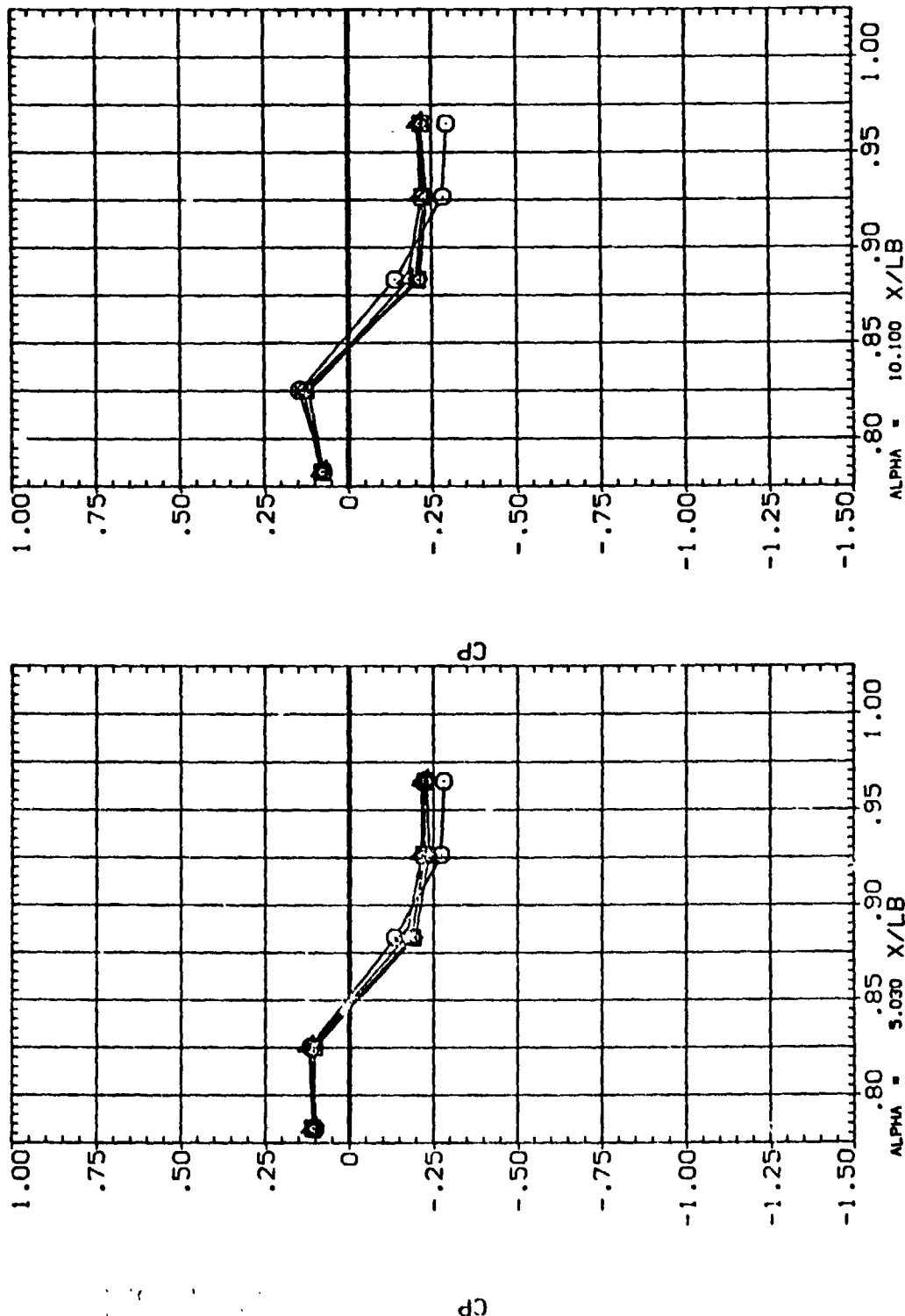


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00804)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	.000	.000
(R00816)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-7.500	.000
(R00813)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	.000	-15.000	.000
(R00A16)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-7.500	.000
(R00A13)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	.000	-15.000	.000

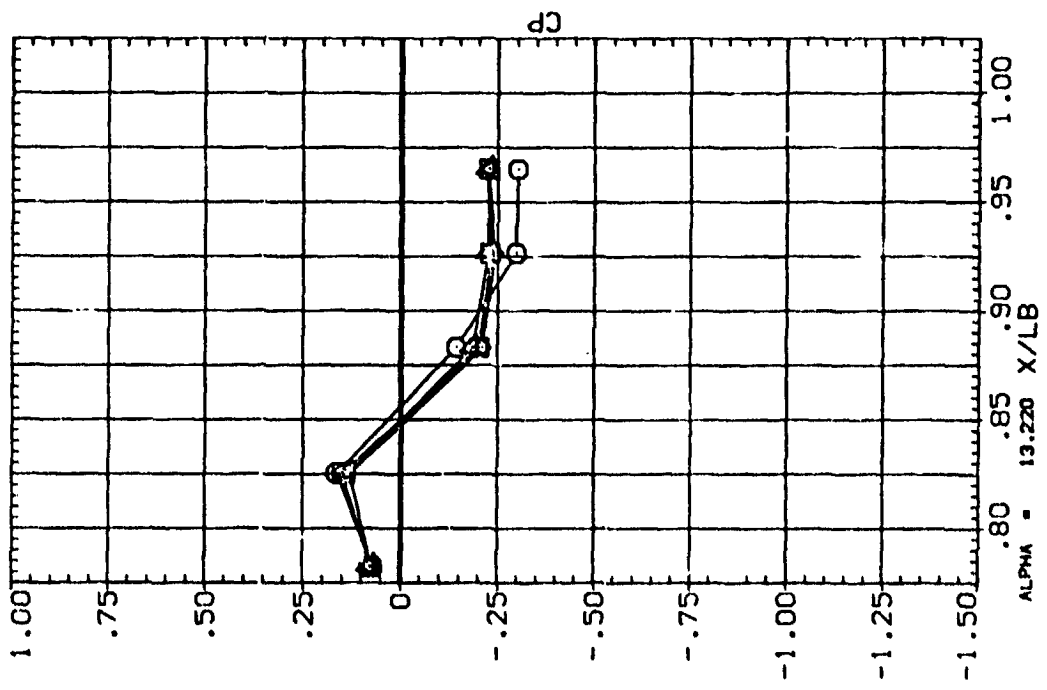
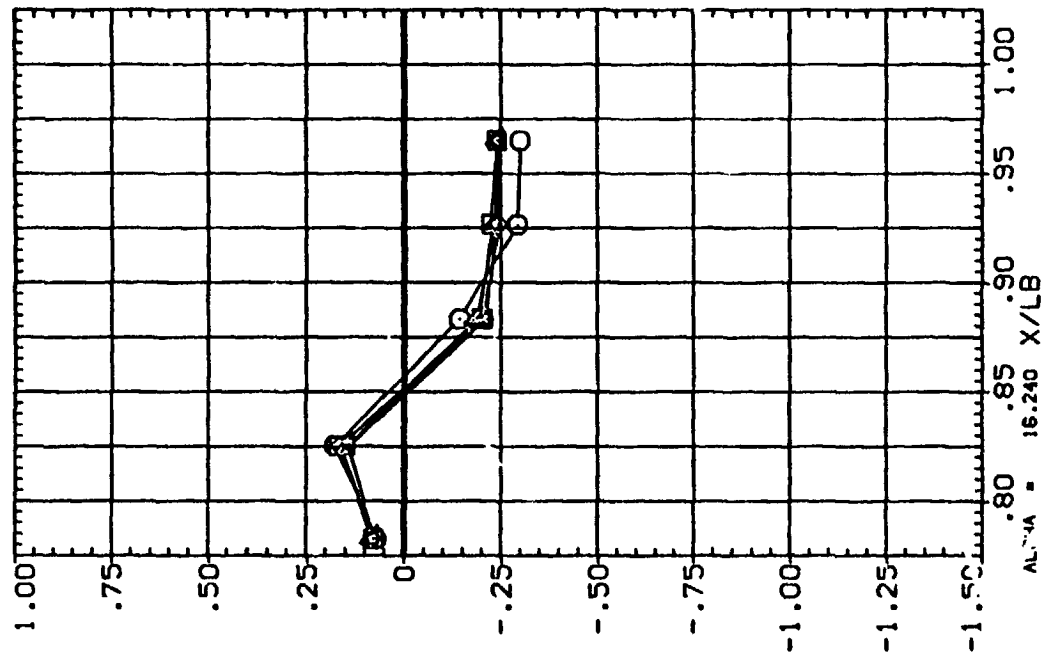


FIG. 20 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 PHI = 165.000

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00805)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00817)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00814)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00803)	B26C9615M7F8M116E26V8RSX9 LEFT FUSELAGE
(R00A17)	B26C9615M7F8M116E26V8RSX9 RIGHT FUSELAGE
(R00A14)	B26C9615M7F8M116E26V8RSX9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

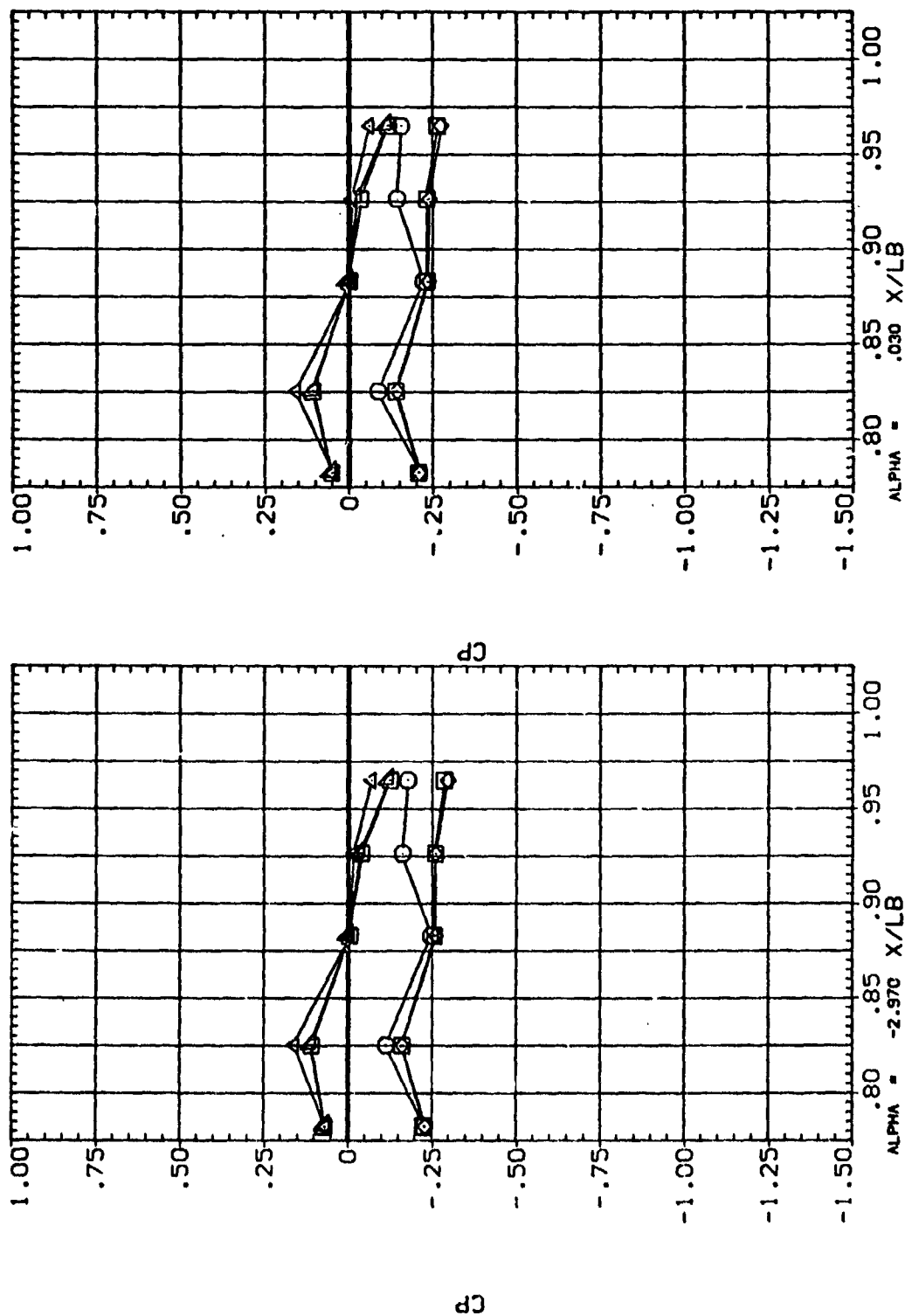


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 90.000 PAGE 184

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00817)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00814)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00803)	B26C9G15M7F8M116E26V8R5X9	LEFT FUSELAGE
(R00A17)	B26C9G15M7F8M116E26V8R5X9	RIGHT FUSELAGE
(R00A14)	B26C9G15M7F8M116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

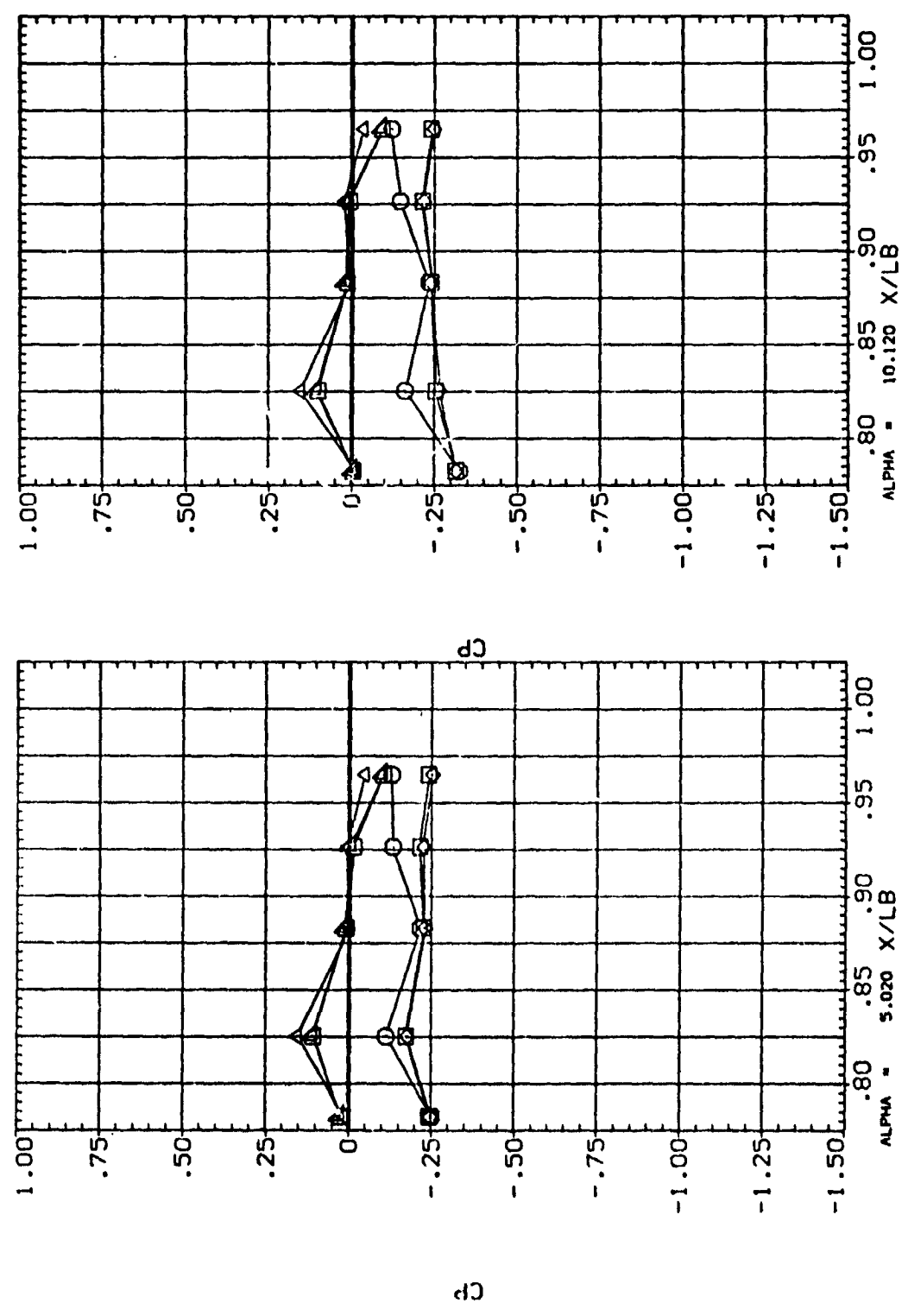


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 90.000

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DATA SET SYMBOL

(R00805)
(R00817)
(R00814)
(R00803)
(R00817)
(R00814)

CONFIGURATION DESCRIPTION

B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE
B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE
B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
10.000 .000
10.000 -7.500
10.000 -15.000
-10.000 .000
-10.000 -7.500
-10.000 -15.000

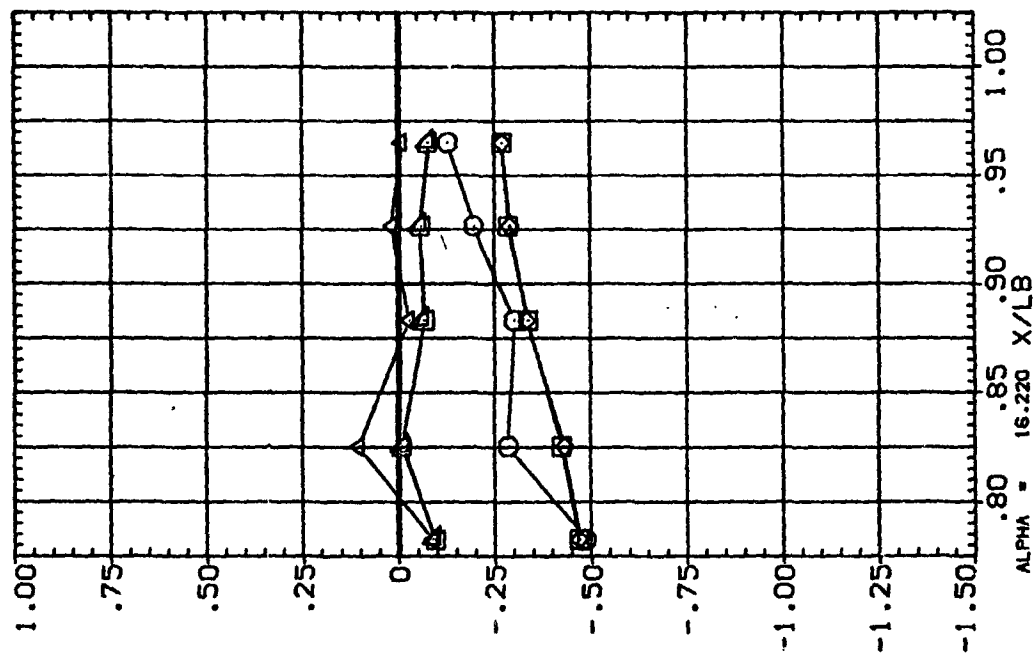
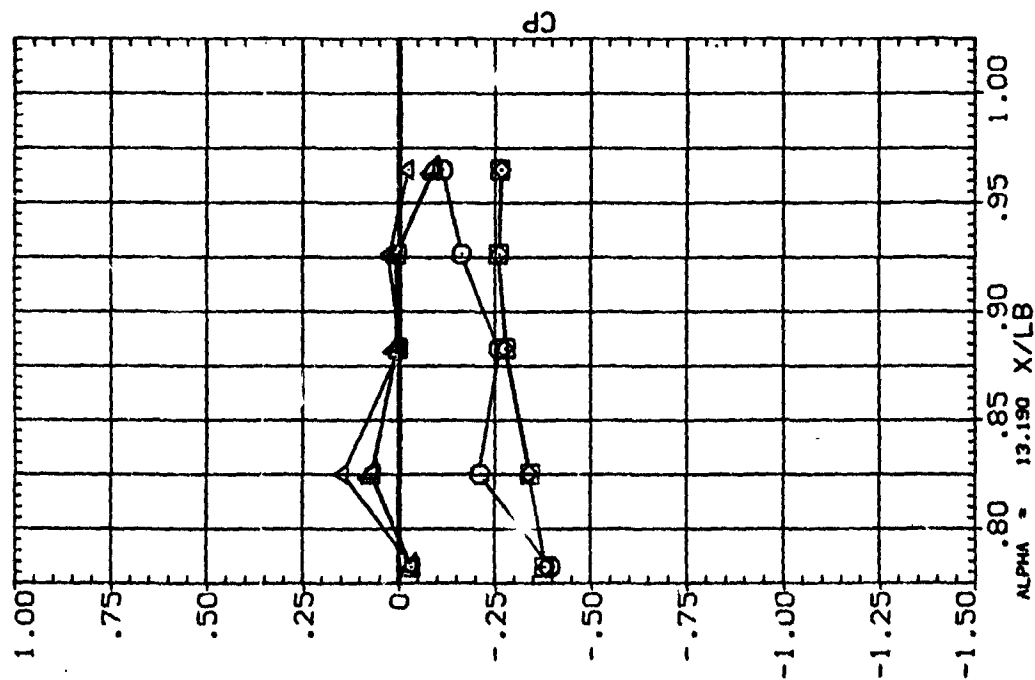


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 90.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00B05)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R00B17)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-7.500	.000
(R00B14)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-15.000	.000
(R00B03)	B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R00A17)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R00A14)	B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-15.000	.000

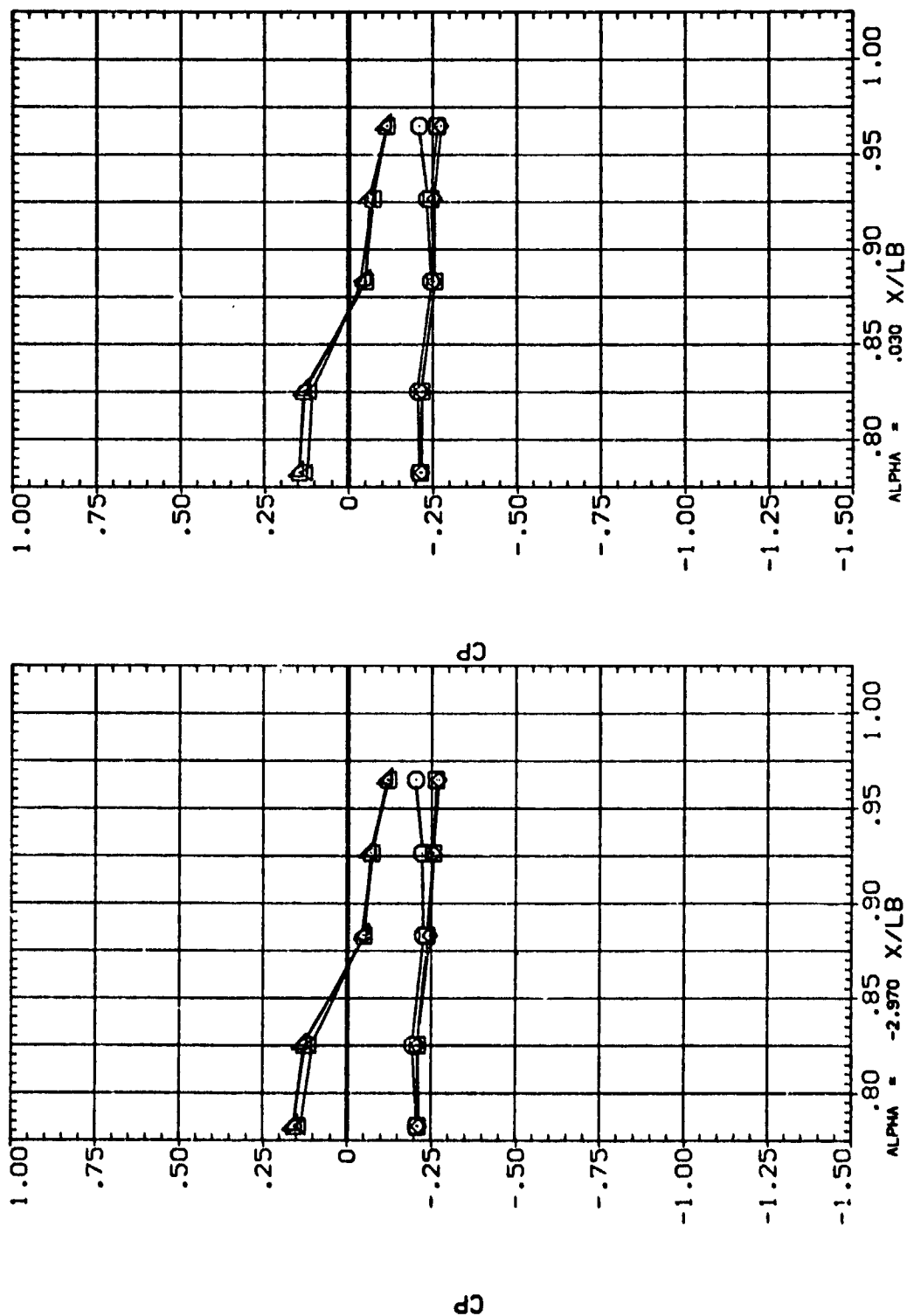


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 105.000

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00805)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R00817)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R00814)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R00803)	B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
(R00817)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
(R00814)	B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

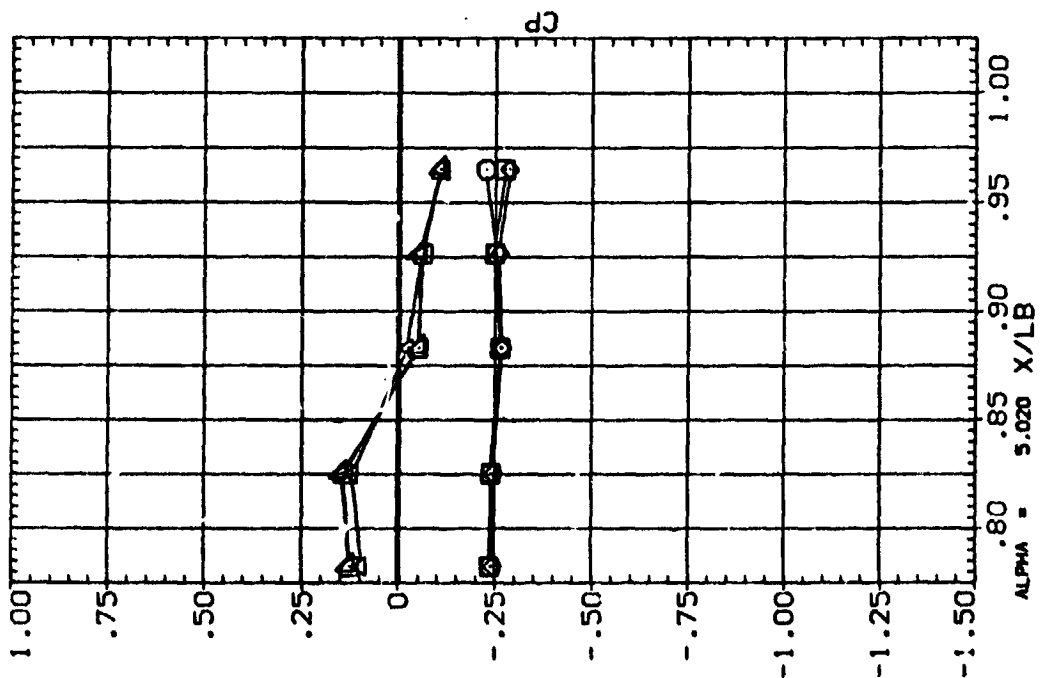
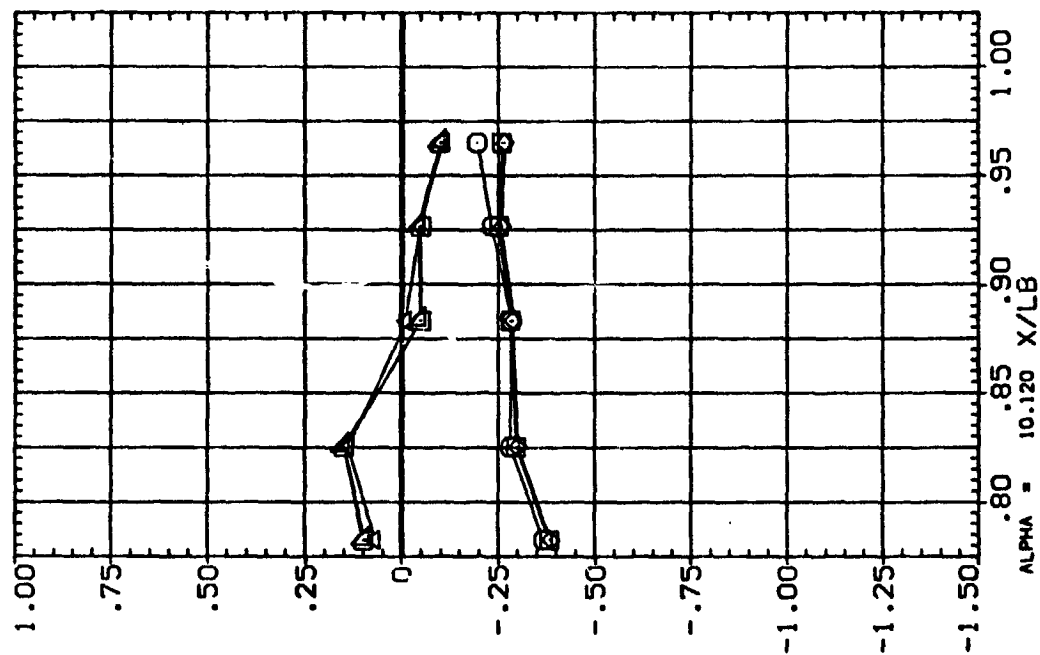


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 105.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00805)	B26C5G1SH7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	.000	.000
(R00817)	B26C5G1SH7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-7.500	.000
(R00814)	B26C5G1SH7F8V116E26V8R5X9 LEFT FUSELAGE	10.000	-15.000	.000
(R00803)	B26C5G1SH7F8V116E26V8R5X9 LEFT FUSELAGE	-10.000	.000	.000
(R00A17)	B26C5G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R00A14)	B26C5G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE	10.000	-15.000	.000

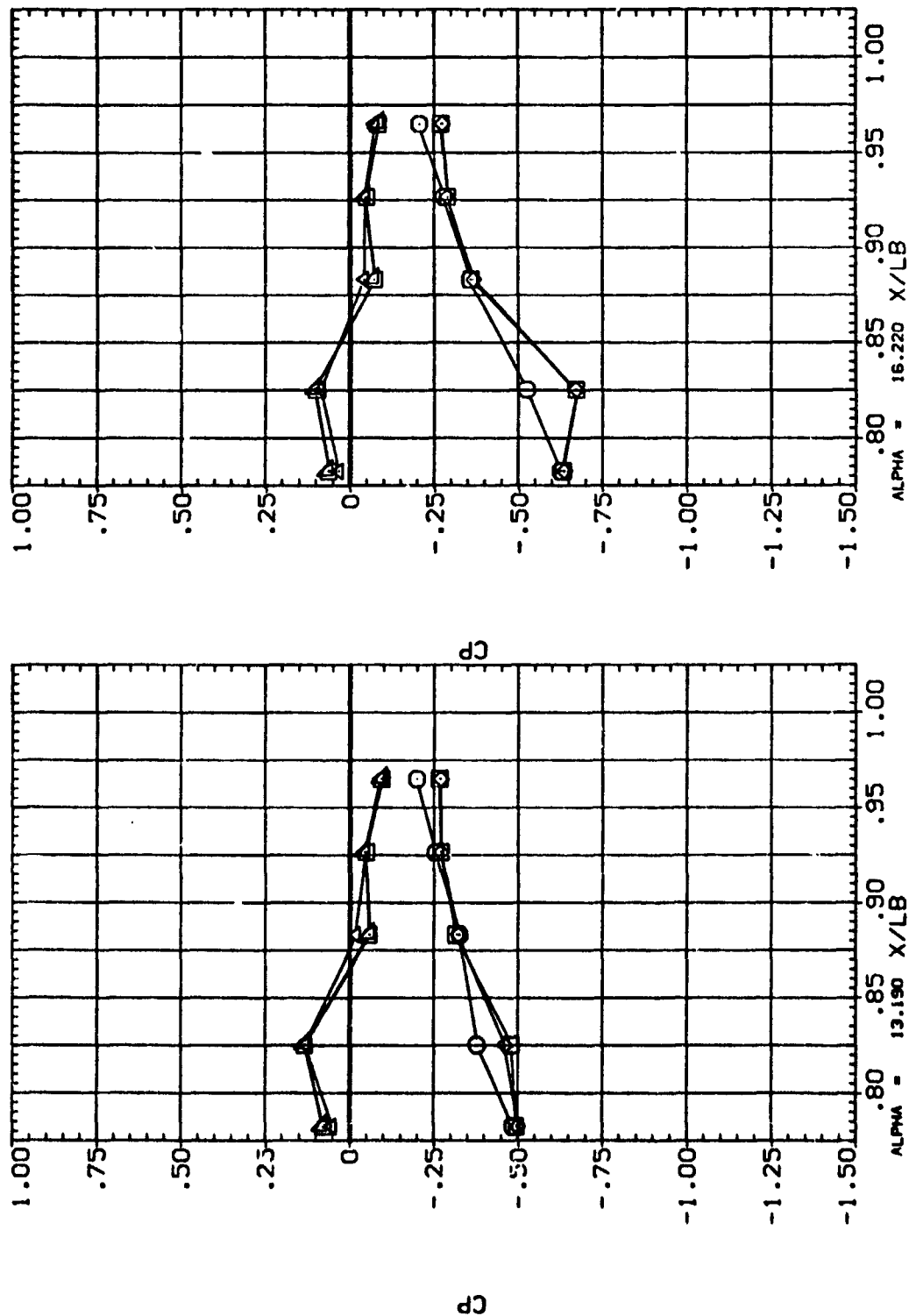


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 105.000

DATA SET SYMBOL
 (R00805)
 (R00817)
 (R00814)
 (R00803)
 (R00817)
 (R00814)

CONFIGURATION DESCRIPTION
 826C9615H7F8M116E26V8R5X9 LEFT FUSELAGE
 826C9615H7F8M116E26V8R5X9 LEFT FUSELAGE
 826C9615H7F8M116E26V8R5X9 LEFT FUSELAGE
 826C9615H7F8M116E26V8R5X9 LEFT FUSELAGE
 826C9615H7F8M116E26V8R5X9 RIGHT FUSELAGE
 826C9615H7F8M116E26V8R5X9 RIGHT FUSELAGE

BETA
 10.000
 10.000
 10.000
 10.000
 -10.000
 10.000
 10.000

RUDDER
 .000
 -7.500
 -15.000
 .000
 -7.500
 -15.000

ELEVON
 .000
 .000
 .000
 .000
 .000
 .000

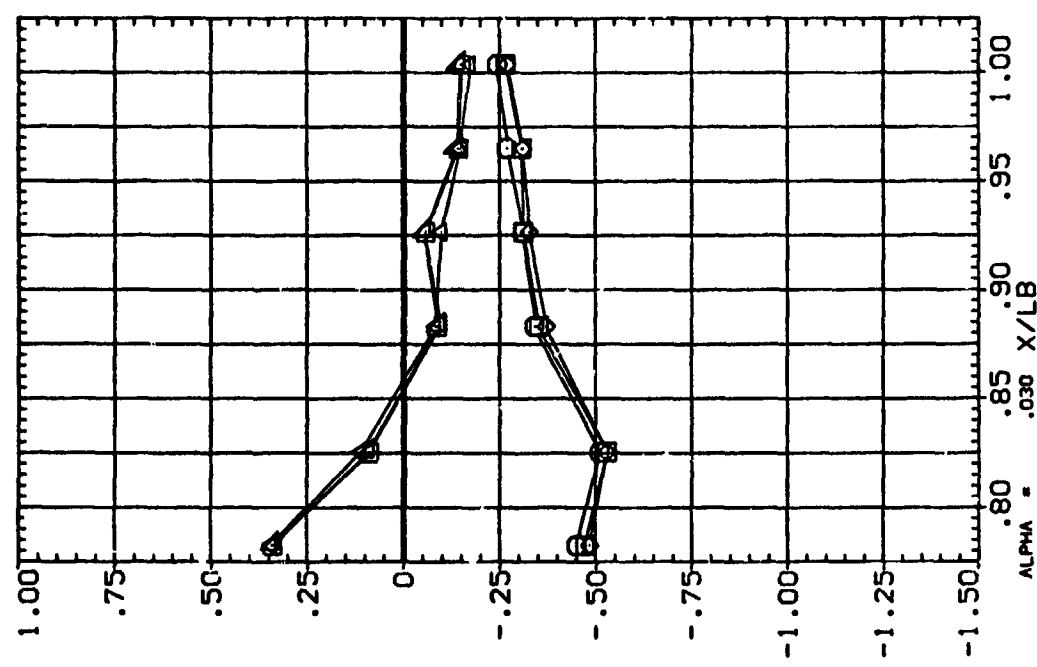
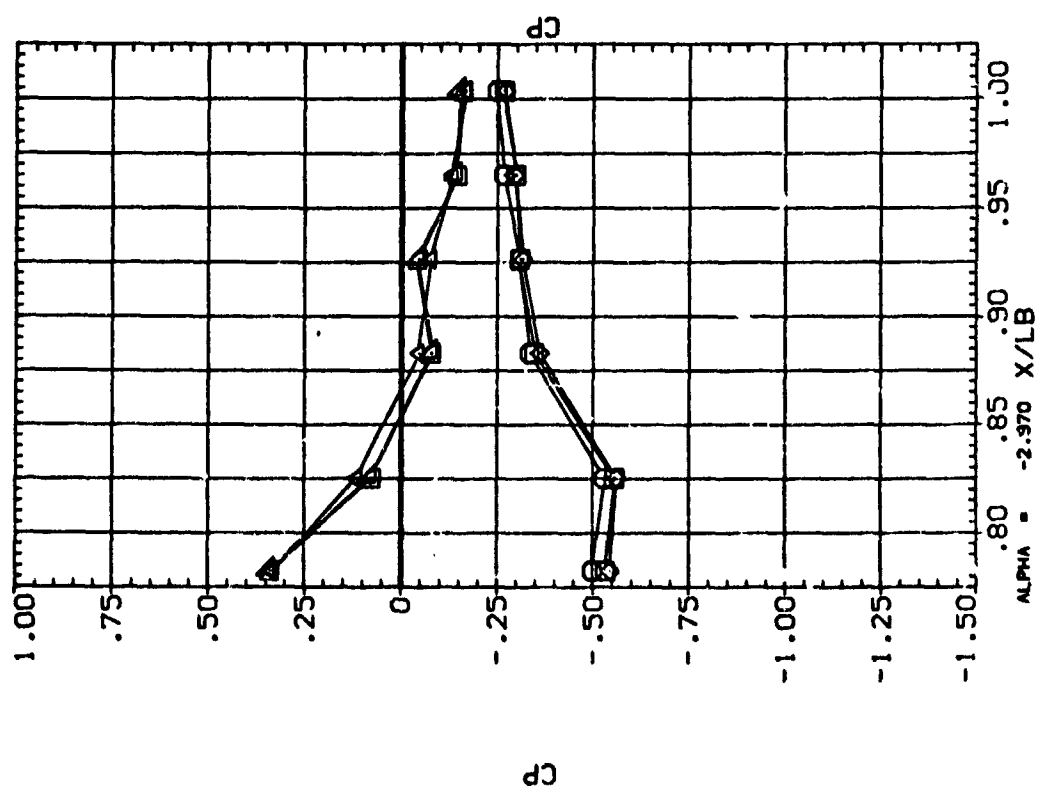


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

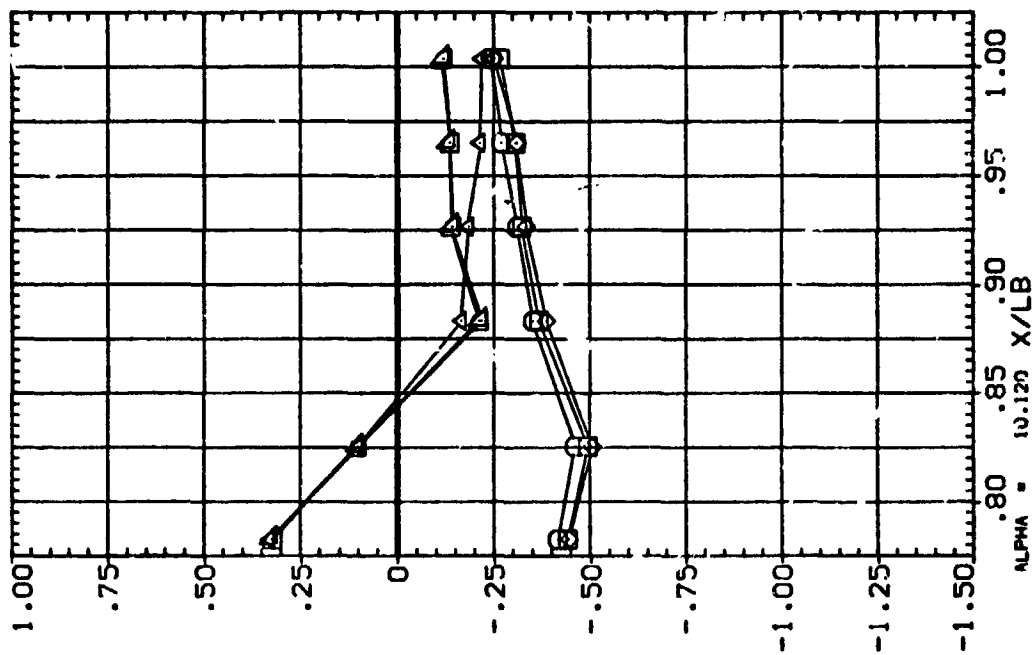
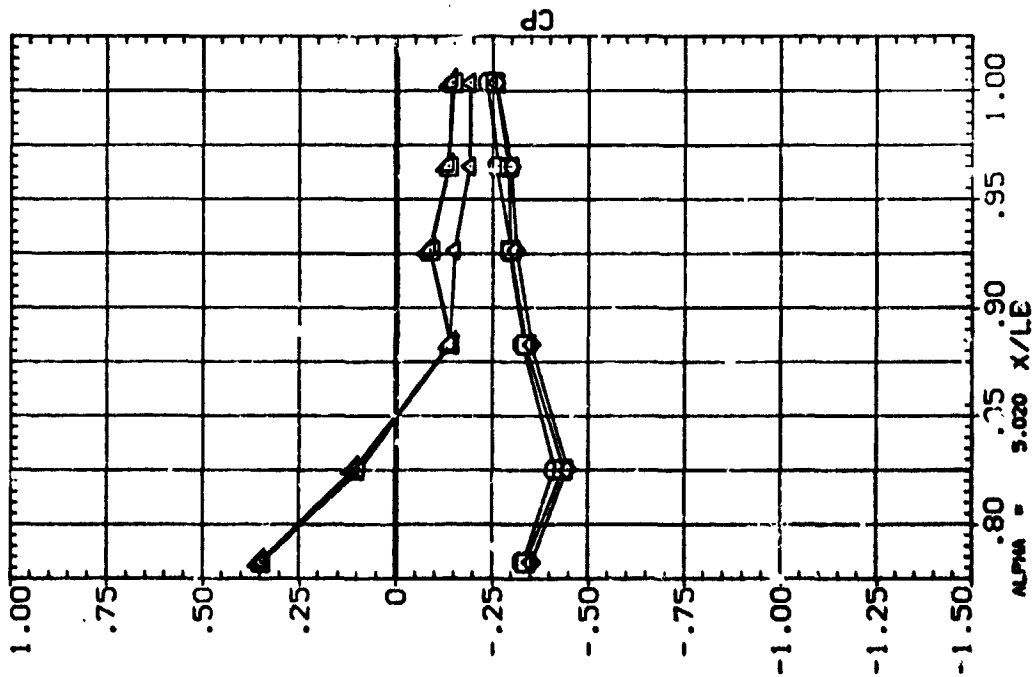
BETA = 10.050 PHI = 120.000

DATA SET SYMBOL
 (R00805)
 (R00817)
 (R00814)
 (R00803)
 (R00817)
 (R00814)

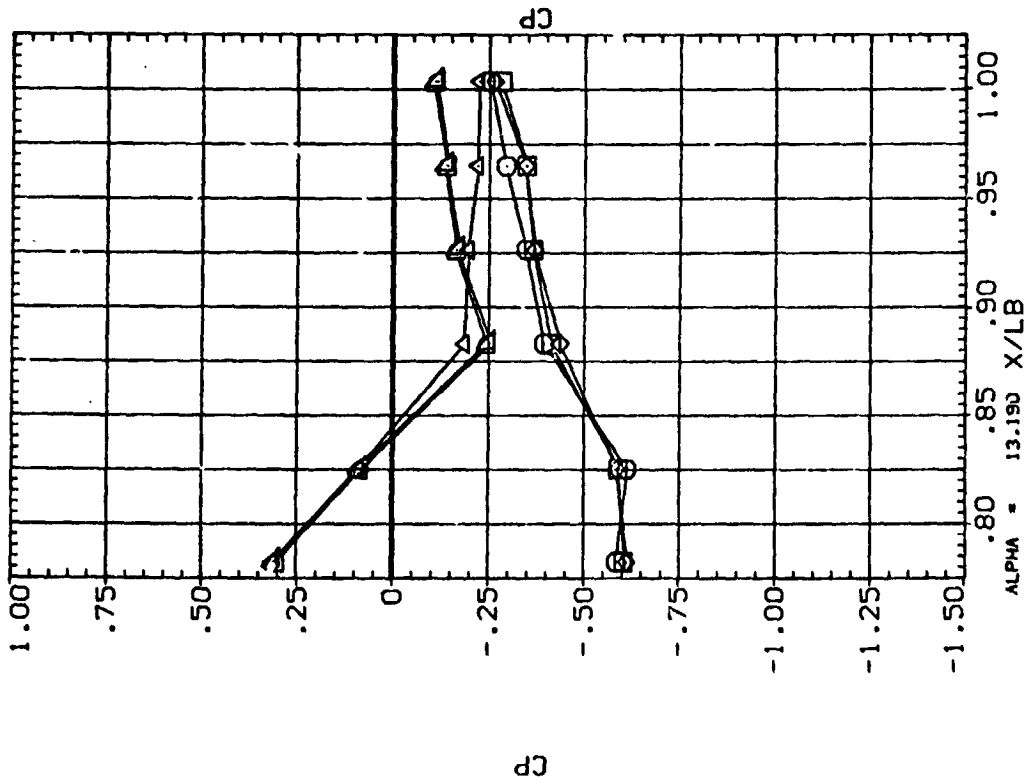
CONFIGURATION DESCRIPTION

B26C9G1 SMT78W116E26V8R5X9 LEFT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 LEFT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 LEFT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 LEFT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 LEFT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 RIGHT FUSELAGE
 B26C9G1 SMT78W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000



DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G15M7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G15M7F8V116E26V8R5X9 RIGHT FUSELAGE



BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000

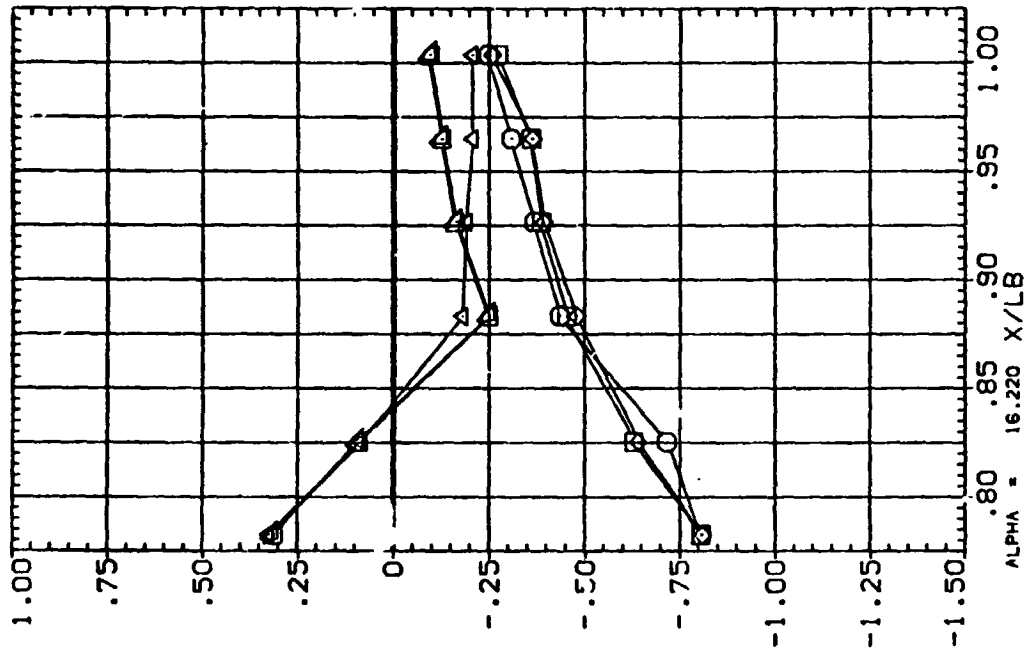


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 120.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R02805)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE	10.000	.000	.000
(R02817)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE	10.000	-7.500	.000
(R02814)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE	10.000	-15.000	.000
(R02803)	B26C9G15M7F8W116E26V8P5X9 LEFT FUSELAGE	10.000	.000	.000
(R02817)	B26C9G15M7F8W116E26V8P5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R02814)	B26C9G15M7F8W116E26V8P5X9 RIGHT FUSELAGE	10.000	-15.000	.000

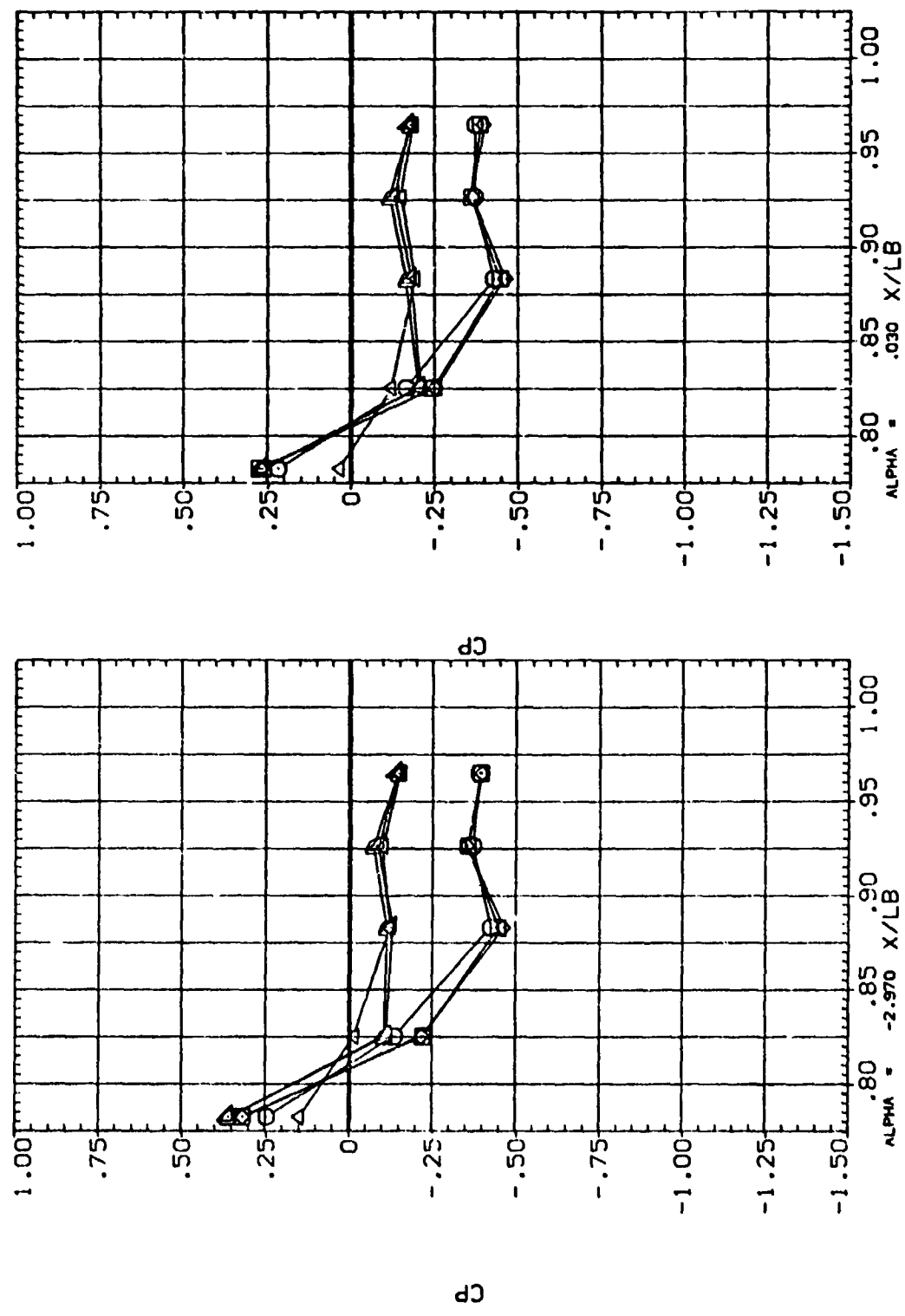


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 BETA = 10.050 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1SH7F8V116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1SH7F8V116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000
 10.000 -7.500
 10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

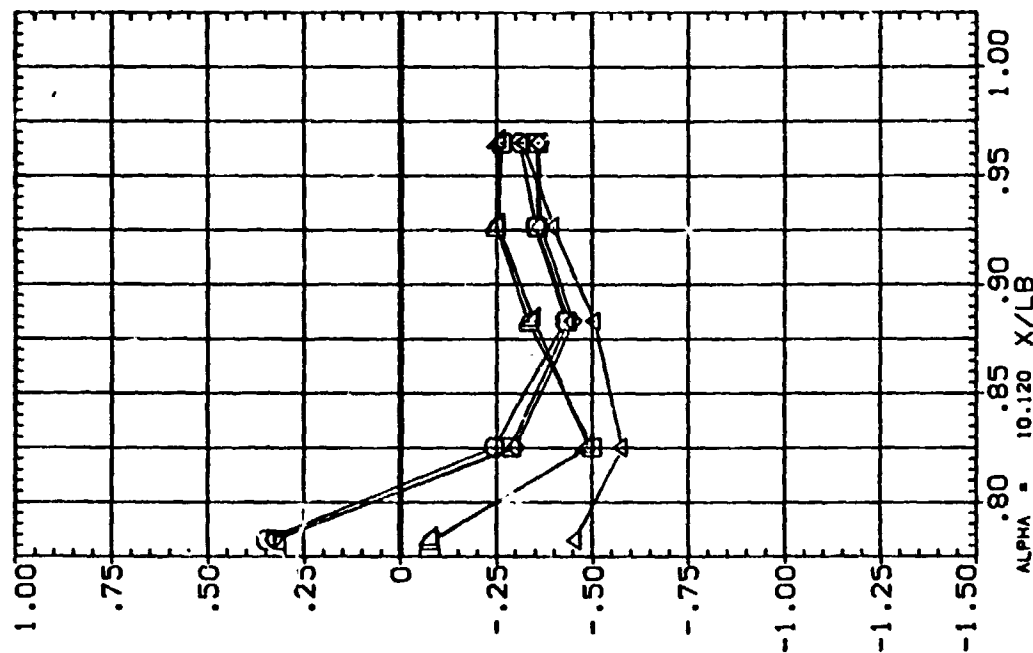
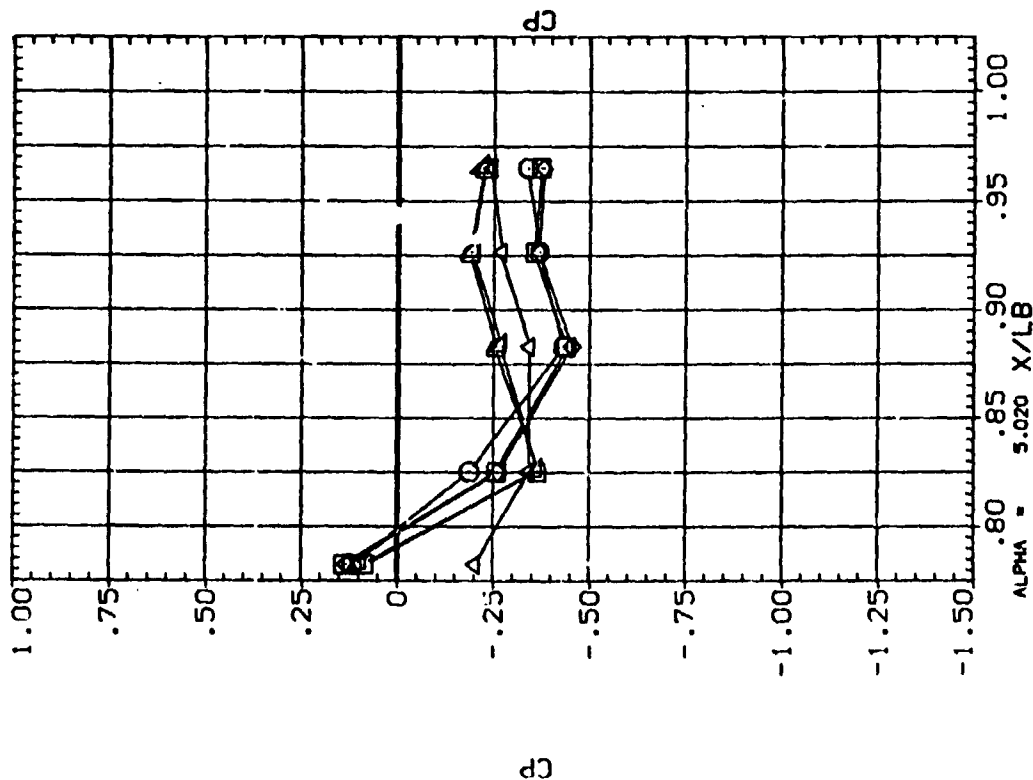


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 135.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805)	B2C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00817)	B2C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00814)	B2C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00803)	B2C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00817)	B2C9G15M7F8W116E26V8R5X9	LEFT FUSELAGE
(R00814)	B2C9G15M7F8W116E26V8R5X9	RIGHT FUSELAGE

BETA RUDDER ELEVON

10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

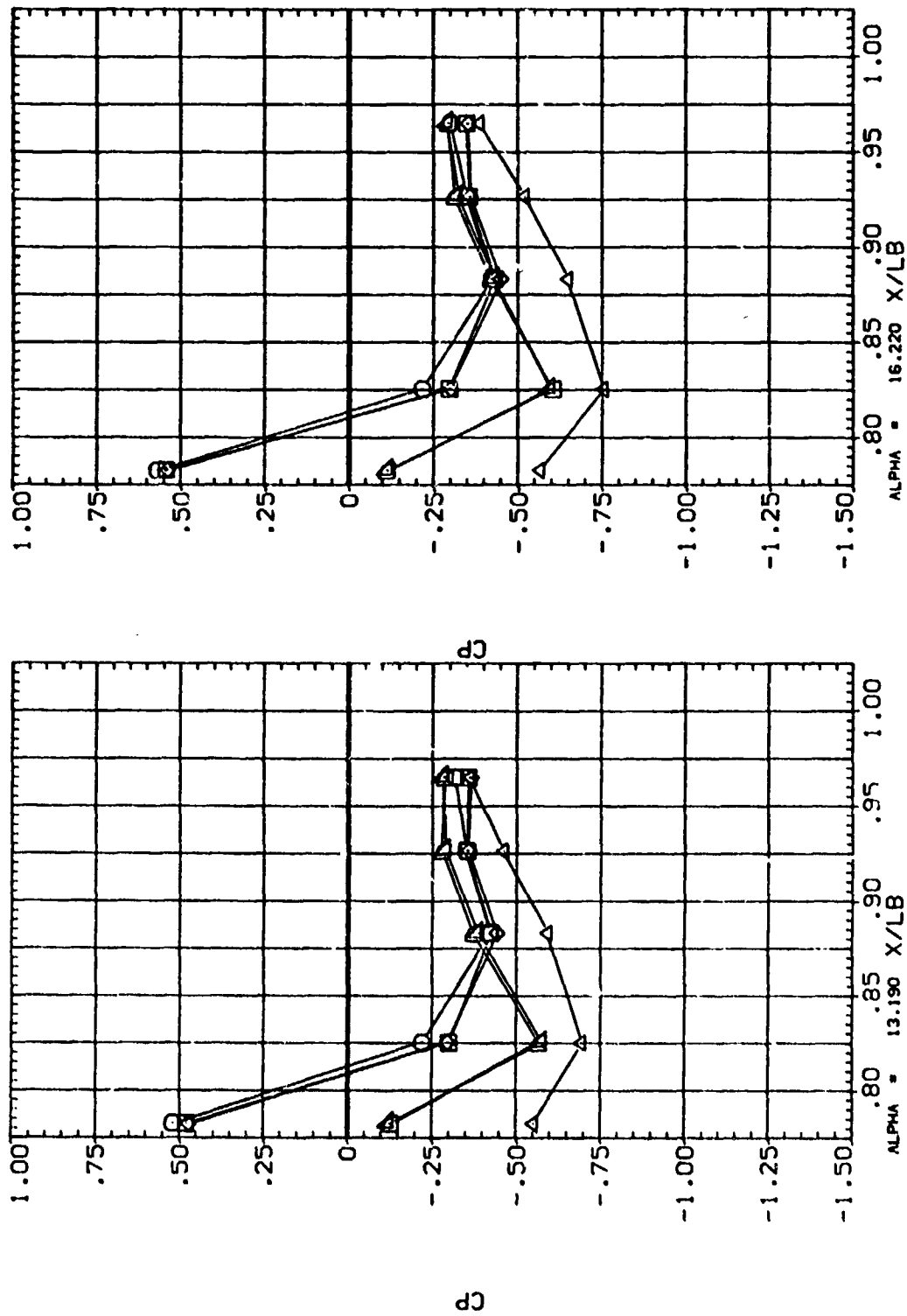


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 135.000

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R00805) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00817) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G15M7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000

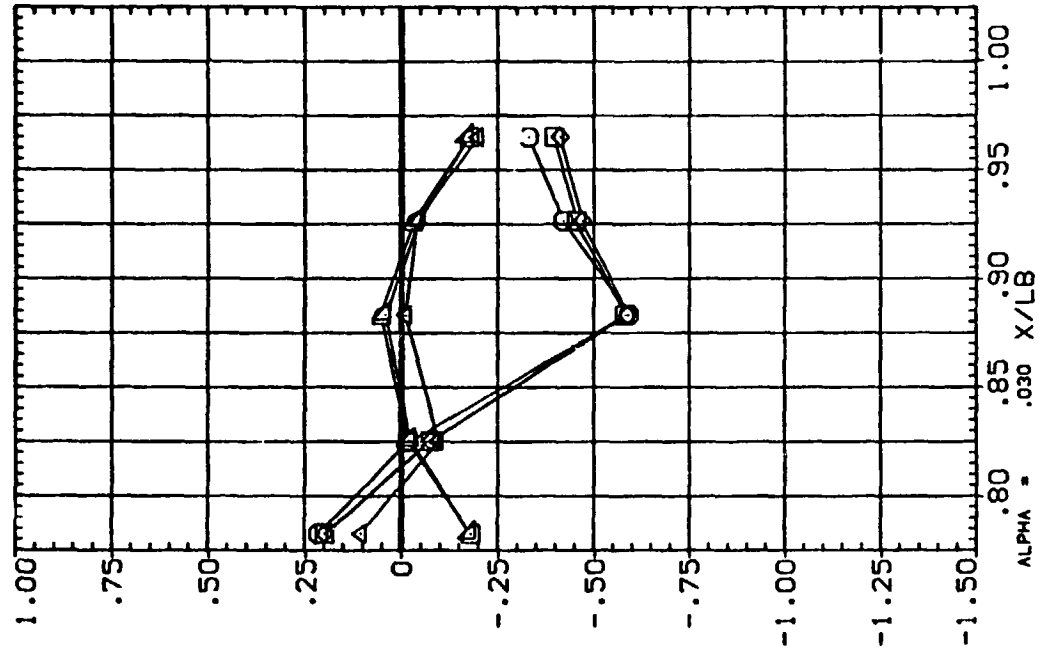
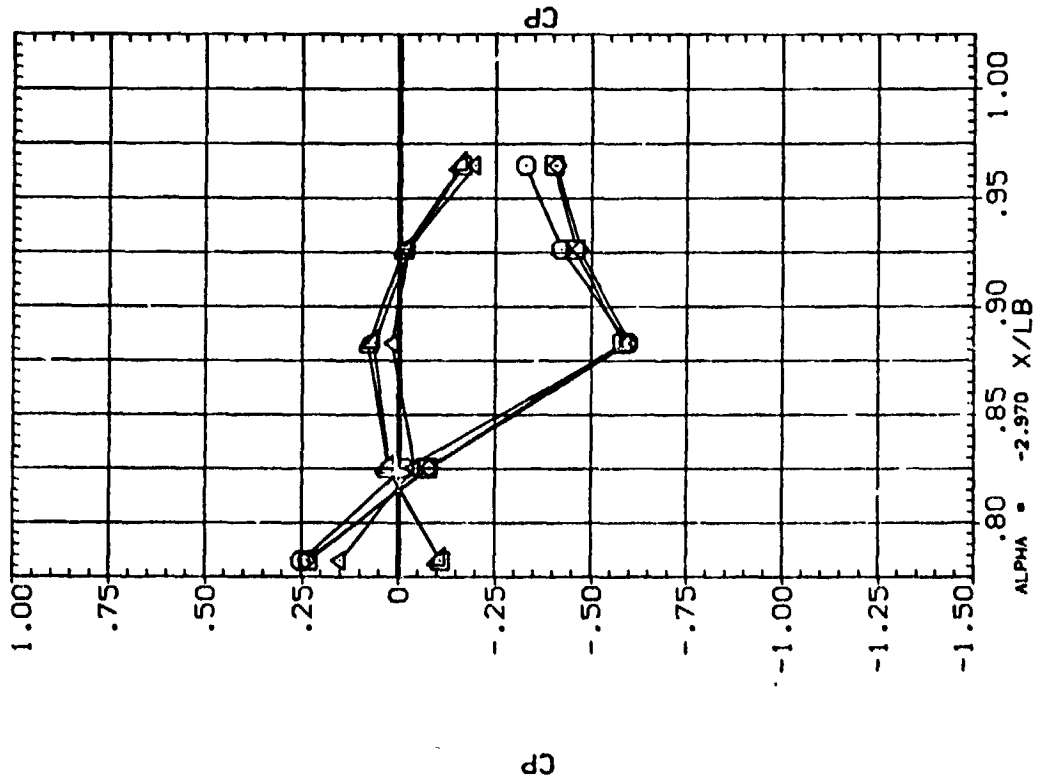


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(R00B05)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE
(R00B17)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE
(R00B14)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE
(R00B03)	B26C9G15M7F8V116E2SV8R3X9 LEFT FUSELAGE
(R00A17)	B26C9G15M7F8V116E2SV8R3X9 RIGHT FUSELAGE
(R00A14)	B26C9G15M7F8V116E2SV8R3X9 RIGHT FUSELAGE

BETA RUDDER ELEVON

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

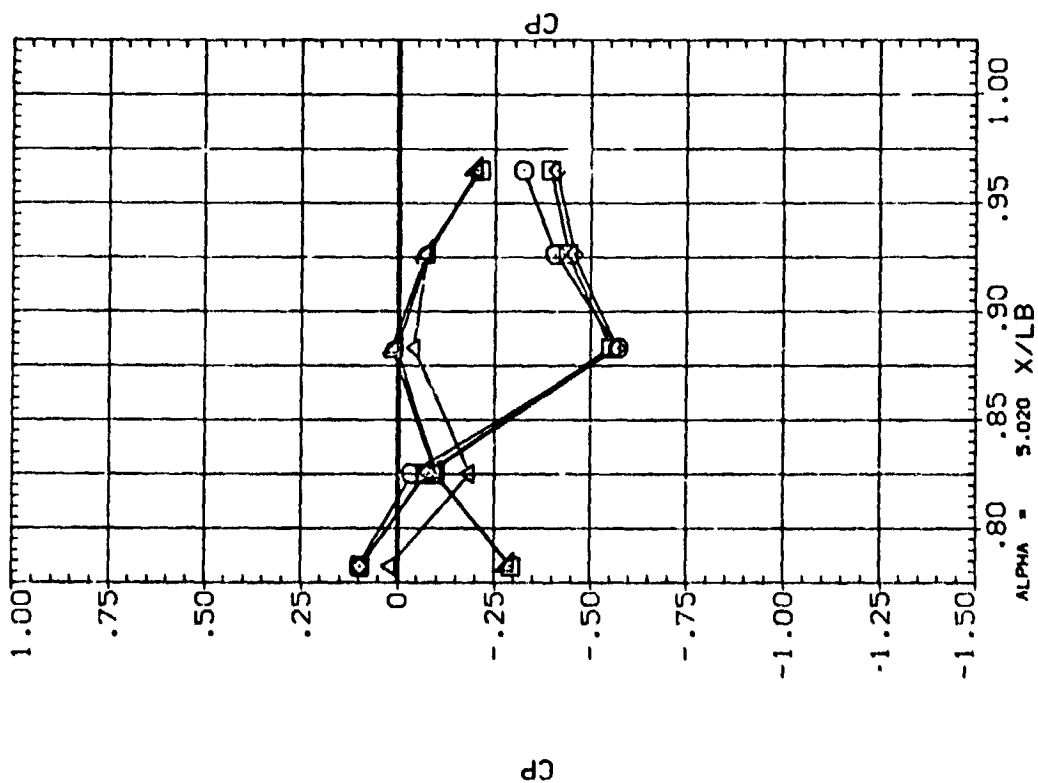
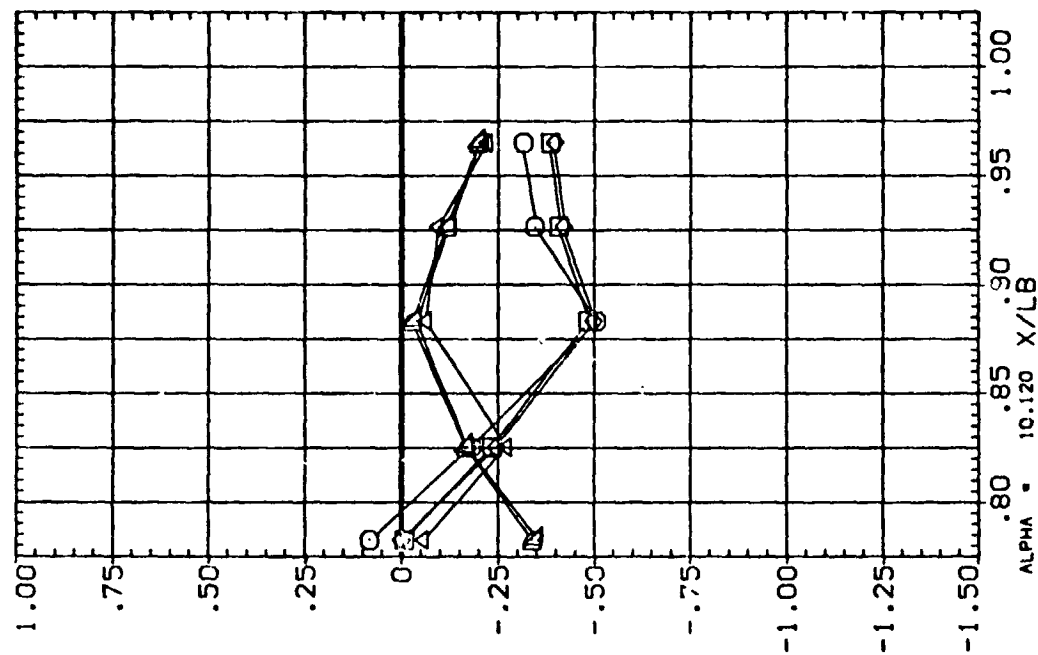


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BF ² A	RUDDER	ELEVON
(R00803)	B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE	10.000	0.000	.000
(R00817)	B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE	10.000	-7.500	.000
(R00814)	B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE	10.000	-15.000	.000
(R00803)	B26C9G1SM7F8W116E26V8R5X9 LEFT FUSELAGE	10.000	0.000	.000
(R00A17)	B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE	10.000	-7.500	.000
(R00A14)	B26C9G1SM7F8W116E26V8R5X9 RIGHT FUSELAGE	10.000	-15.000	.000

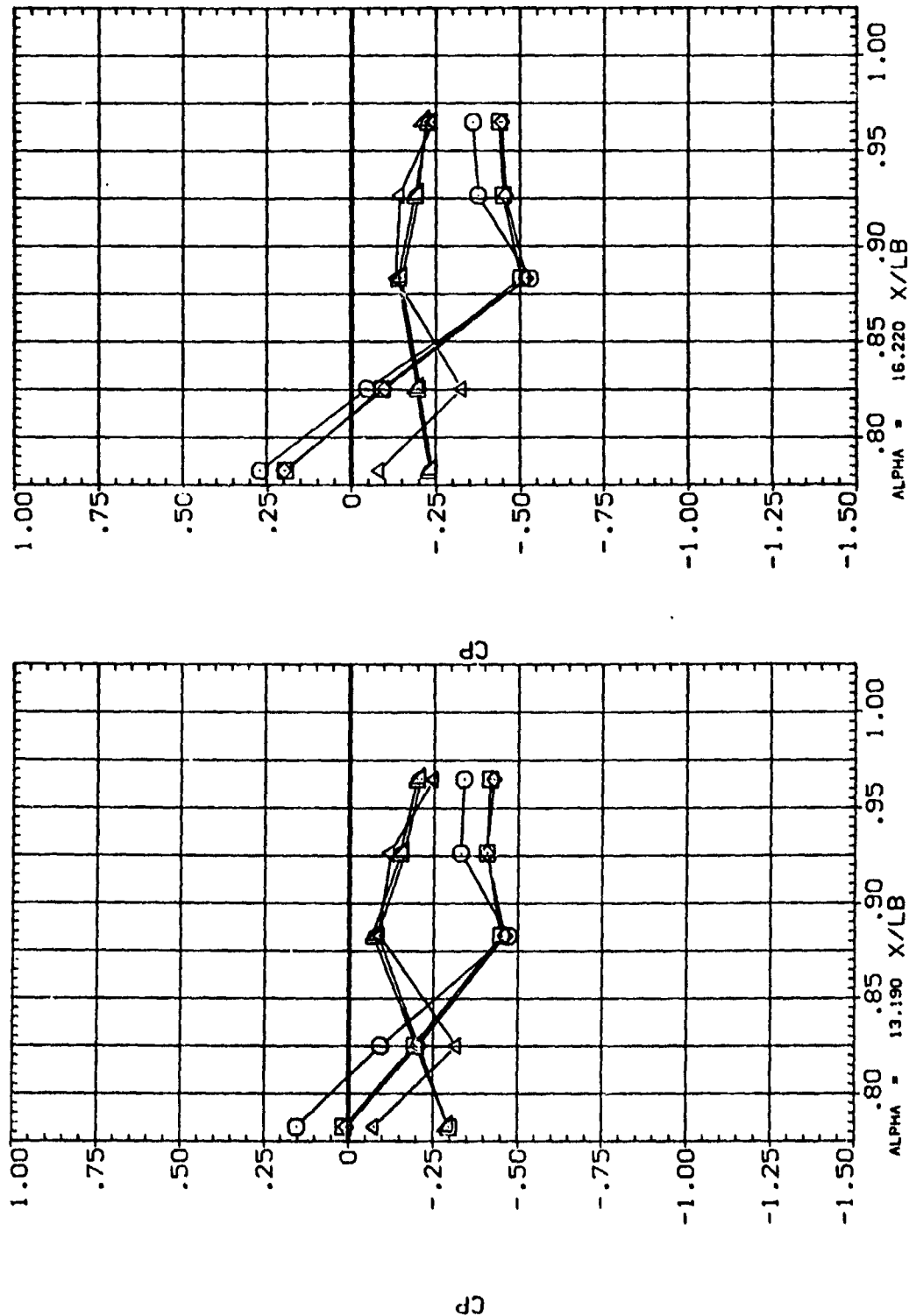


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 150.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00805)	B26C9G15M7F8W116E26V8R5X9	10.000	.000	.000
(R00817)	B26C9G15M7F8W116E26V8R5X9	10.000	-7.500	.000
(R00814)	B26C9G15M7F8W116E26V8R5X9	10.000	-15.000	.000
(R00803)	B26C9G15M7F8W116E26V8R5X9	10.000	.000	.000
(R00817)	B26C9G15M7F8W116E26V8R5X9	10.000	-7.500	.000
(R00814)	B26C9G15M7F8W116E26V8R5X9	10.000	-15.000	.000

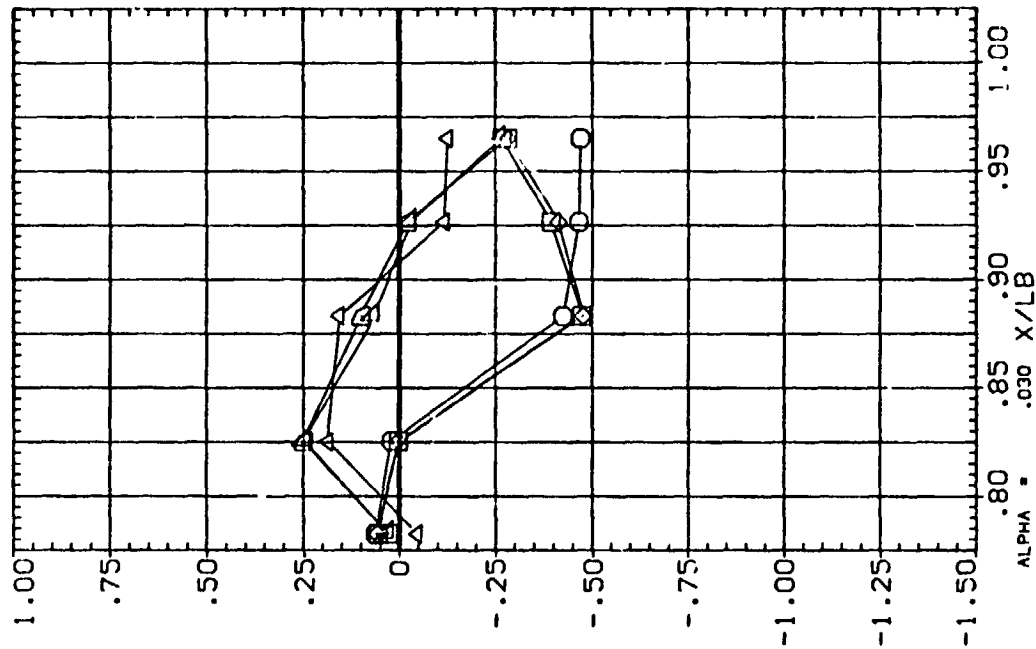
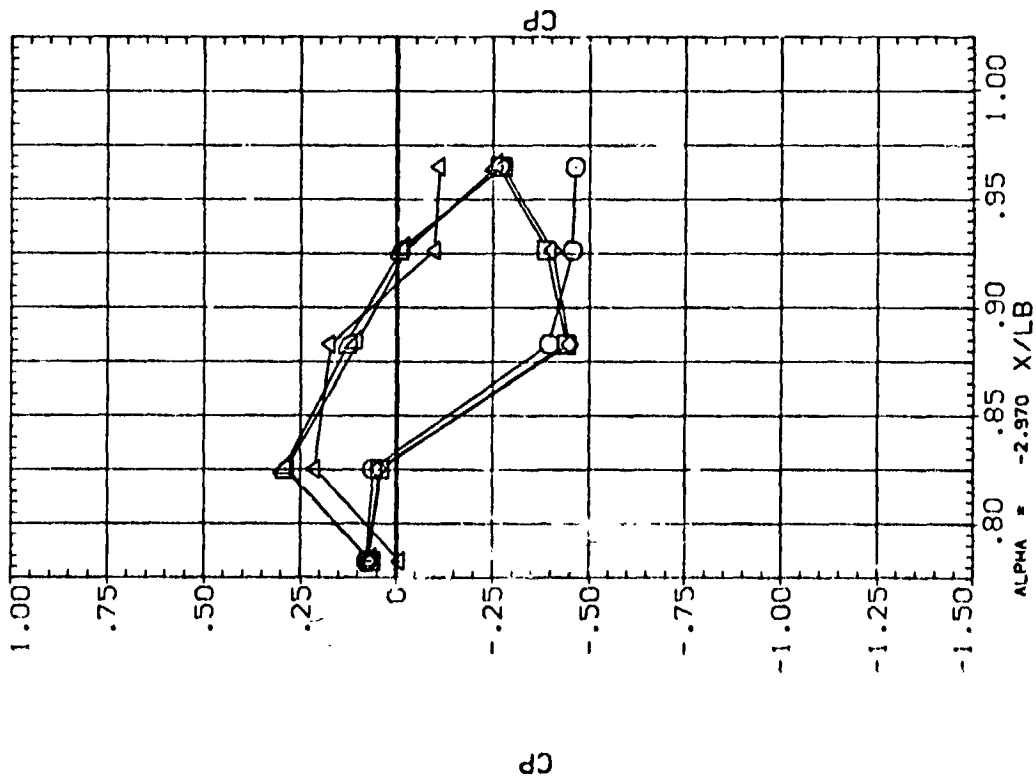
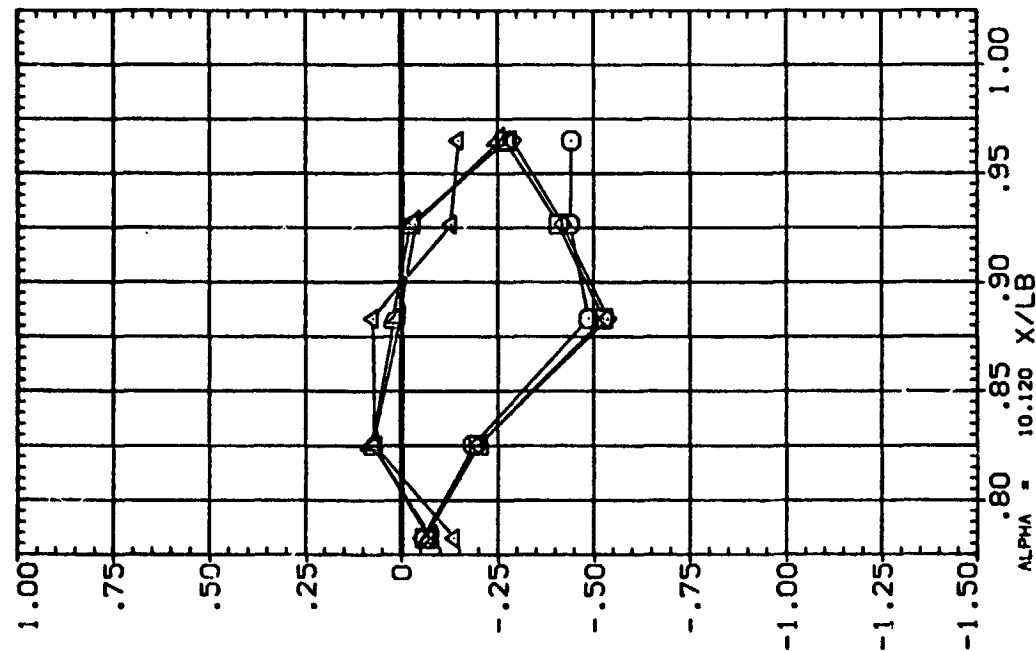
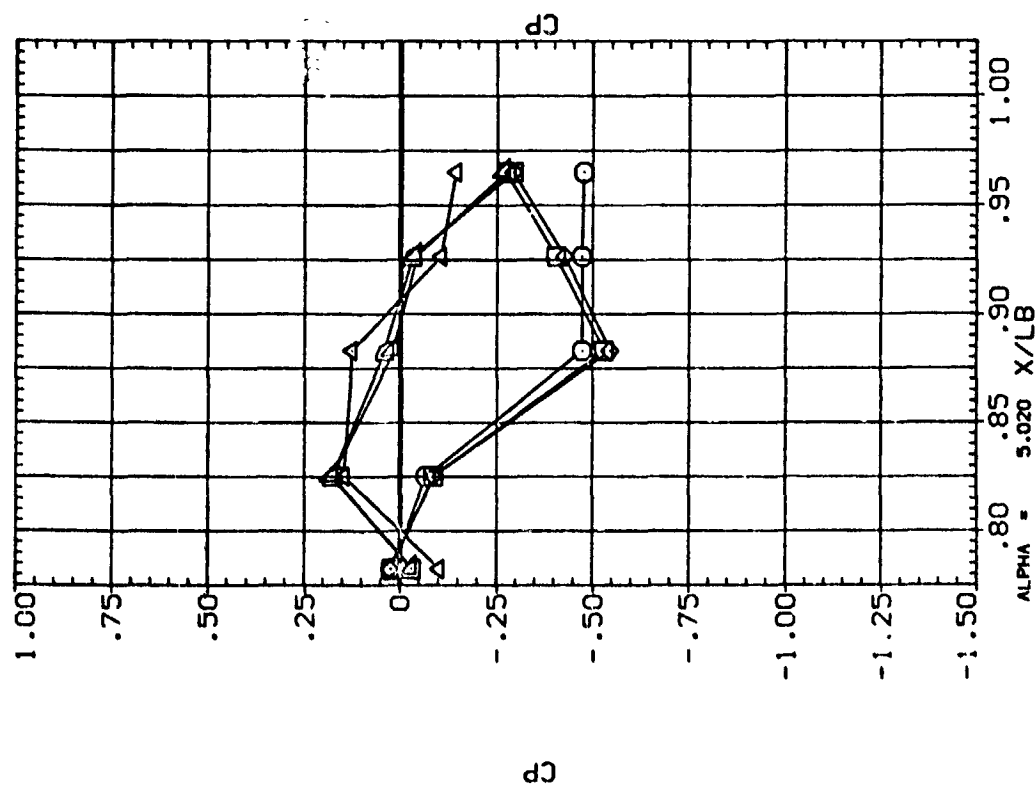


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00805) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (P00817) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00814) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00803) B26C9G1S7F8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1S7F8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1S7F8W116E26V8R5X9 RIGHT FUSELAGE

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000



F.G. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

(R00B05) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00B17) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00B14) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00B03) B26C9G1SMTF8W116E26V8R5X9 LEFT FUSELAGE
 (R00A17) B26C9G1SMTF8W116E26V8R5X9 RIGHT FUSELAGE
 (R00A14) B26C9G1SMTF8W116E26V8R5X9 RIGHT FUSELAGE

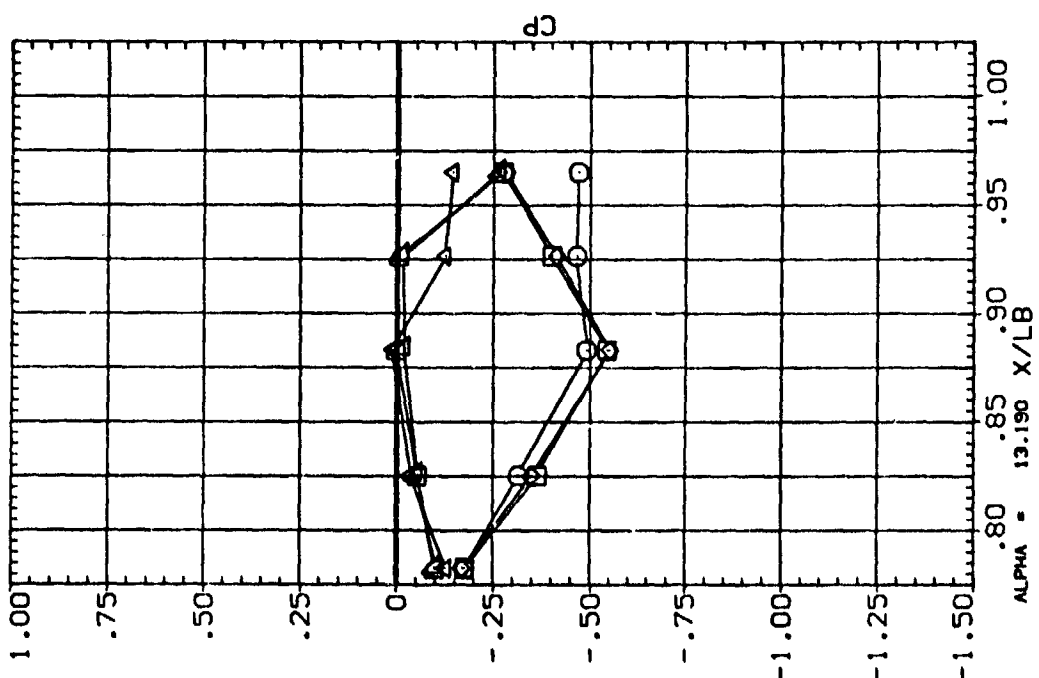
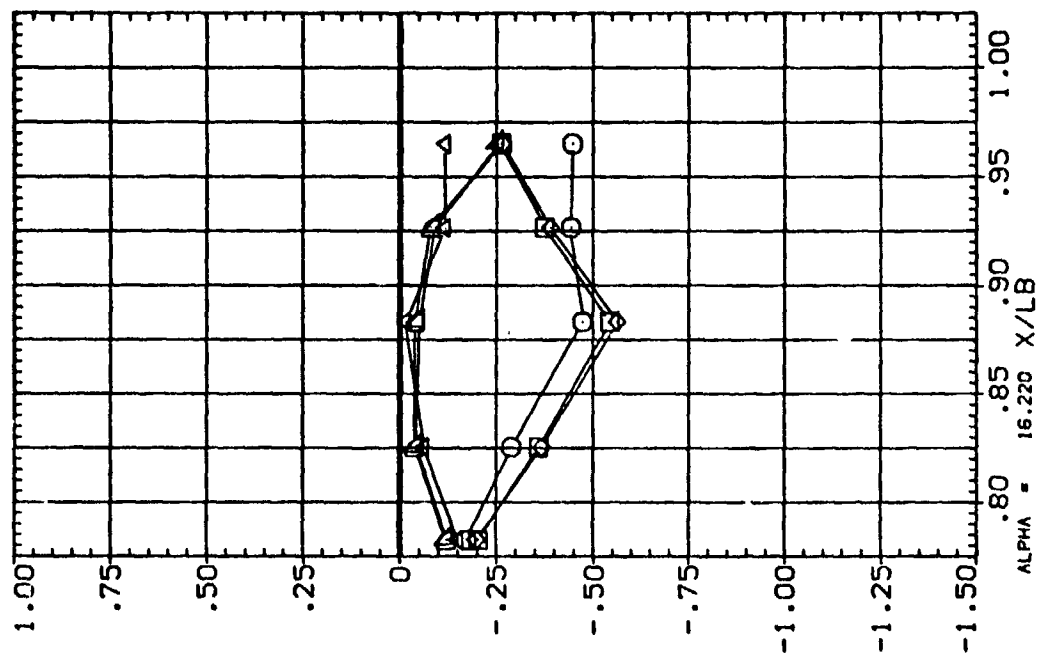


FIG. 21 FUSELAGE LONGIT. PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 PHI = 165.000

B26C3G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

SYMBOL
□ ◇ △ ▽

ALPHA
-2.980
.020
5.020
10.080
13.190
16.220

X/LB
.008
.023

BETA
-10.060

PARAMETRIC VALUES
ELEVON
BD FLAP
-14.250
RUDDER
BETA
-10.000

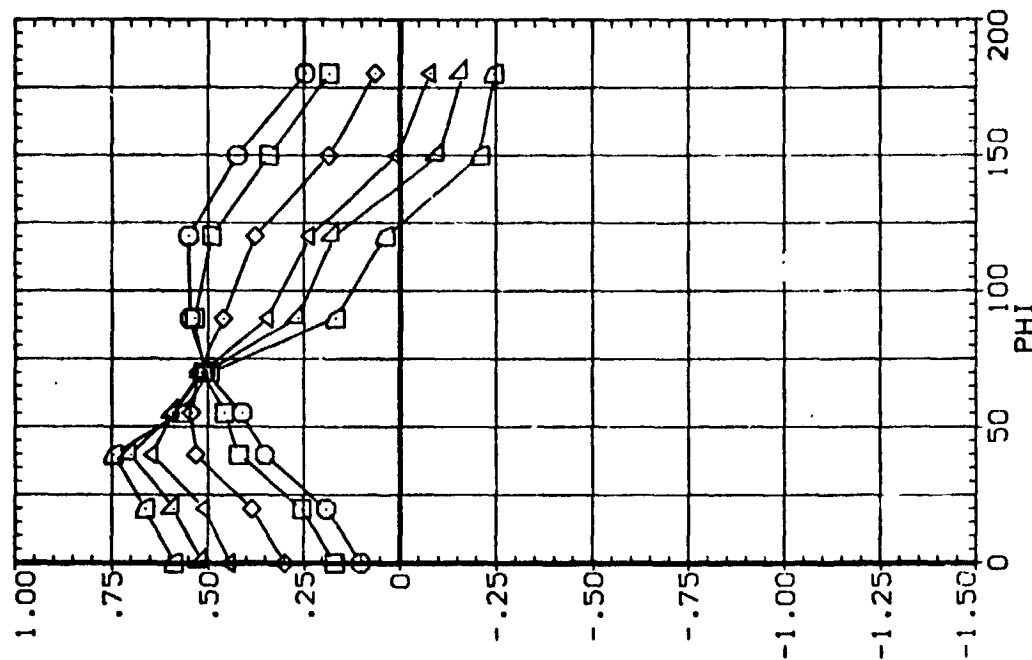
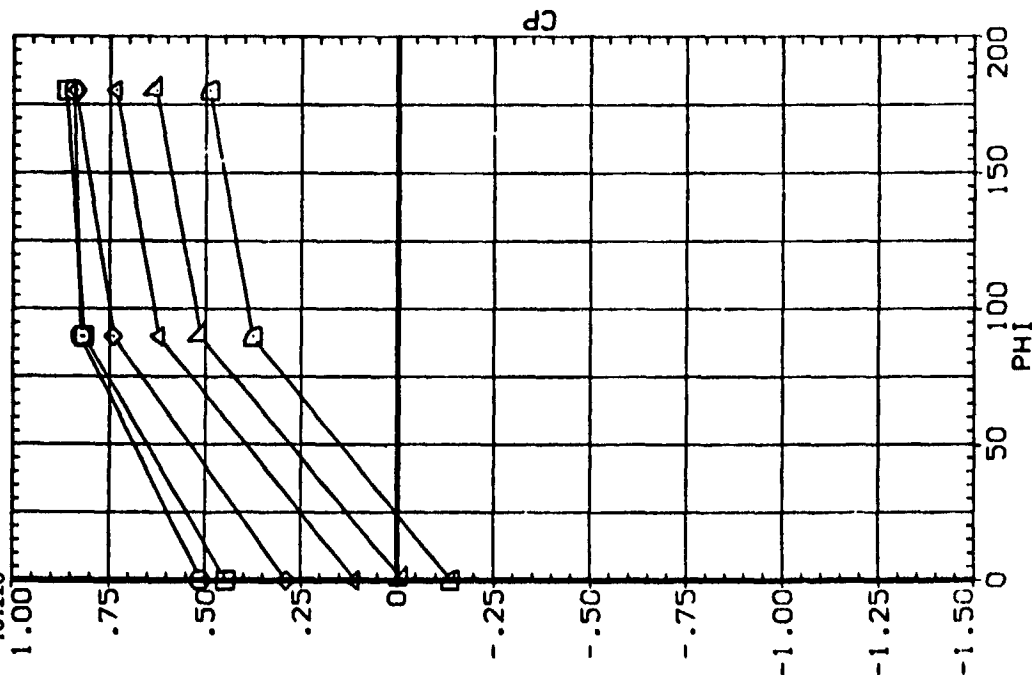


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BCFLAP -14.250 BETA -10.000

ALPHA X/LB BETA
-2.980 .047 -10.060
.020 .070
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▲ ▽ ▿

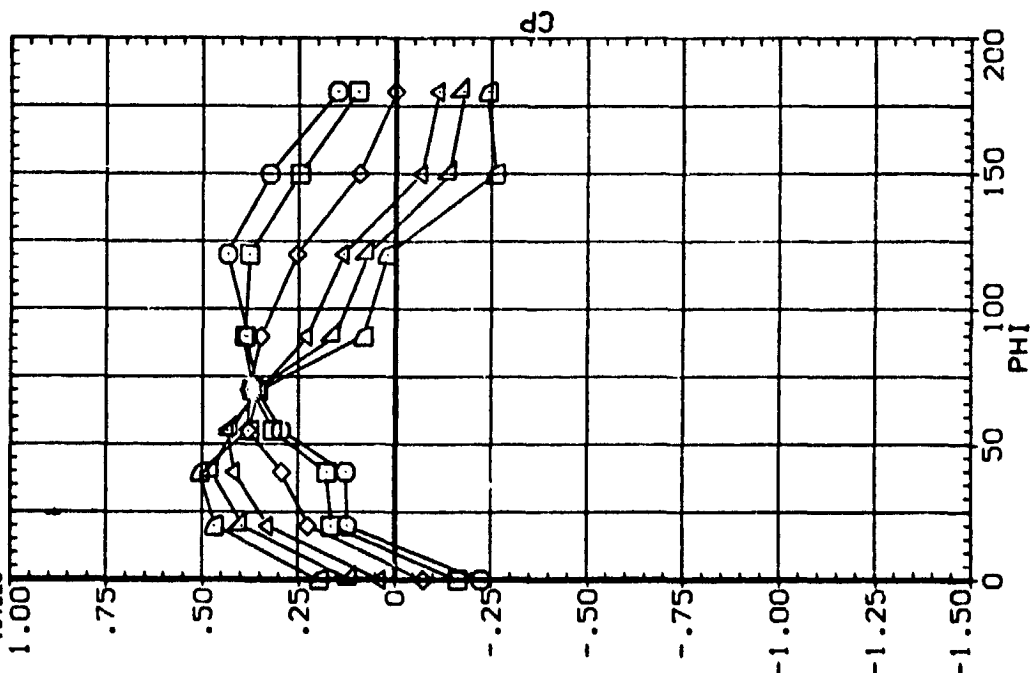
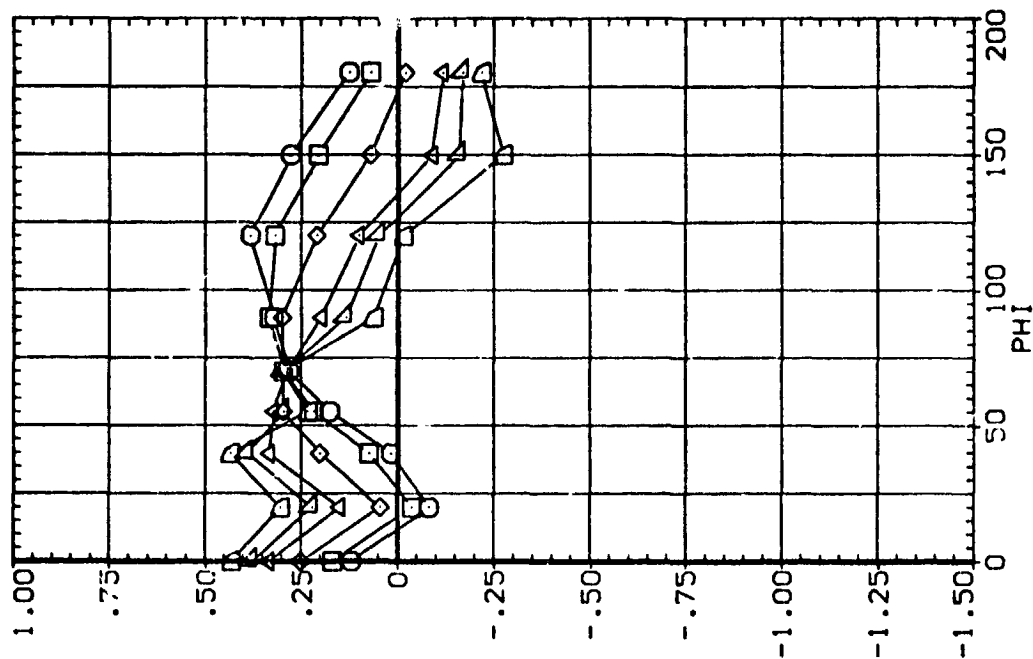


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

SYMBOL
○ □ ◇ △ ▽

ALPHA X/LB BETA
-2.980 .112 -10.060
.020 .147
5.020
10.090
13.190
16.220

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA -10.000

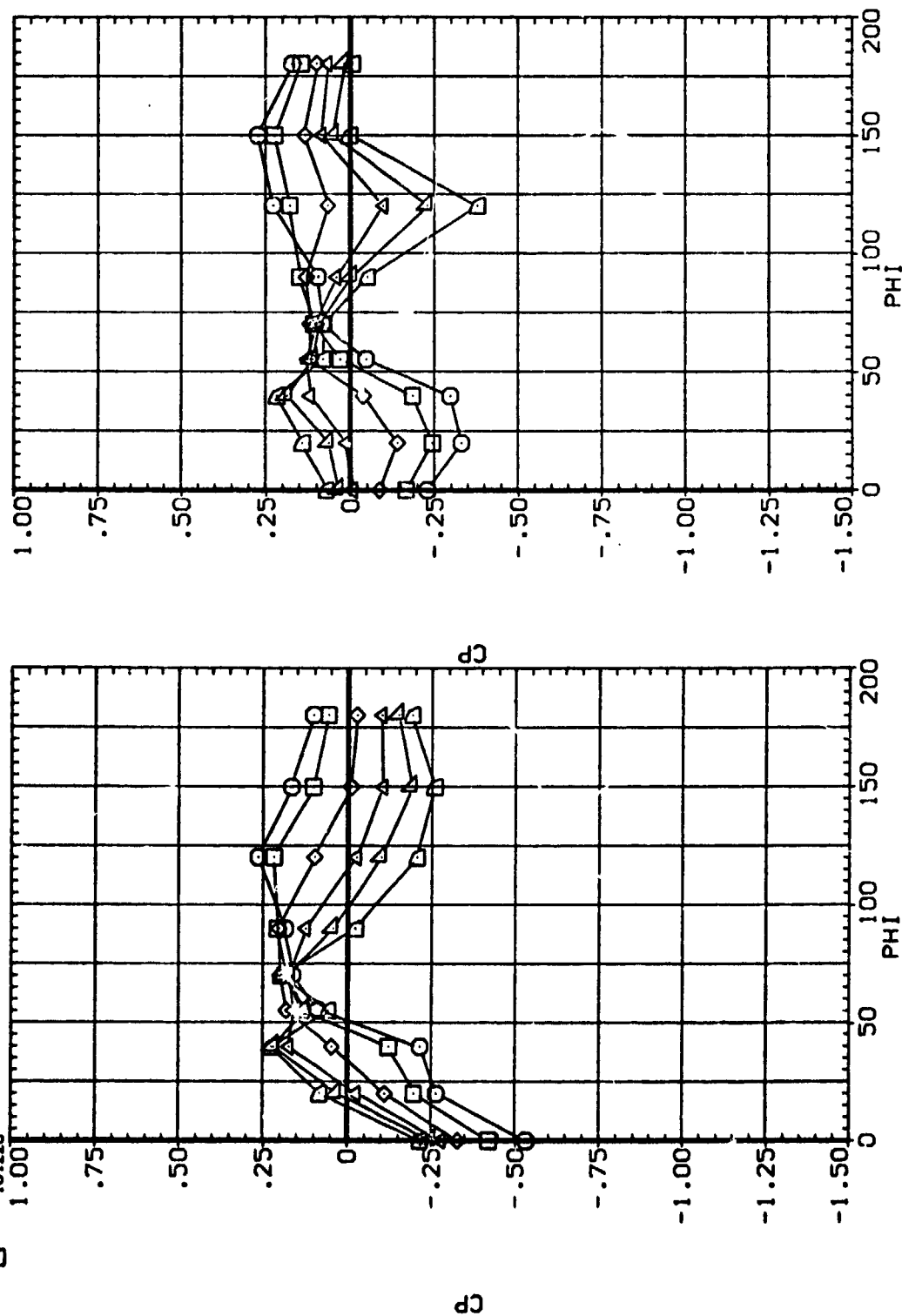


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

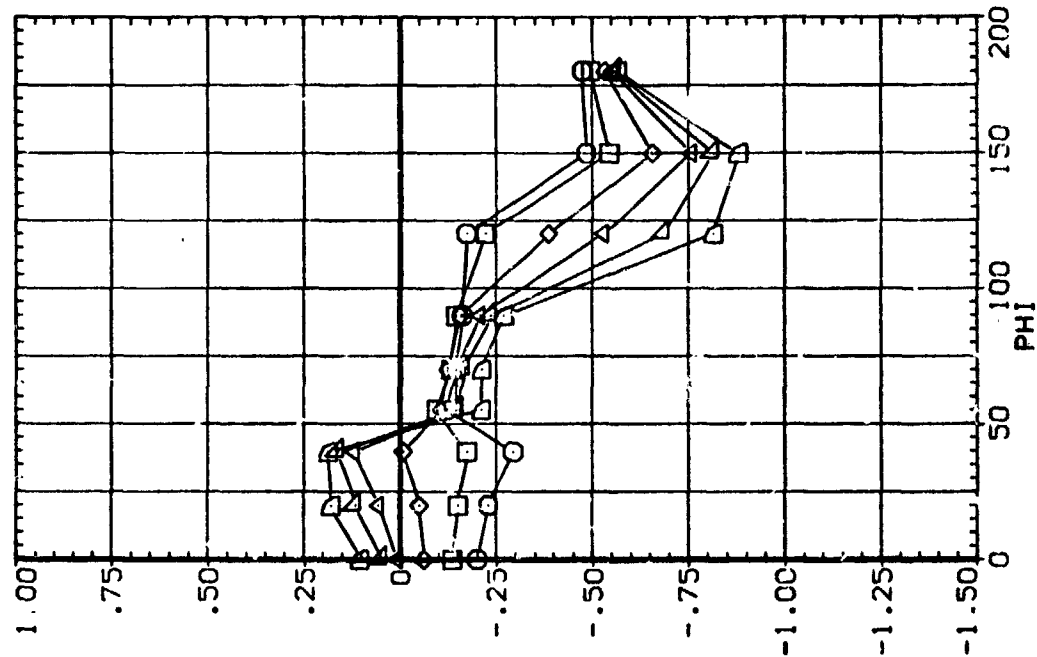
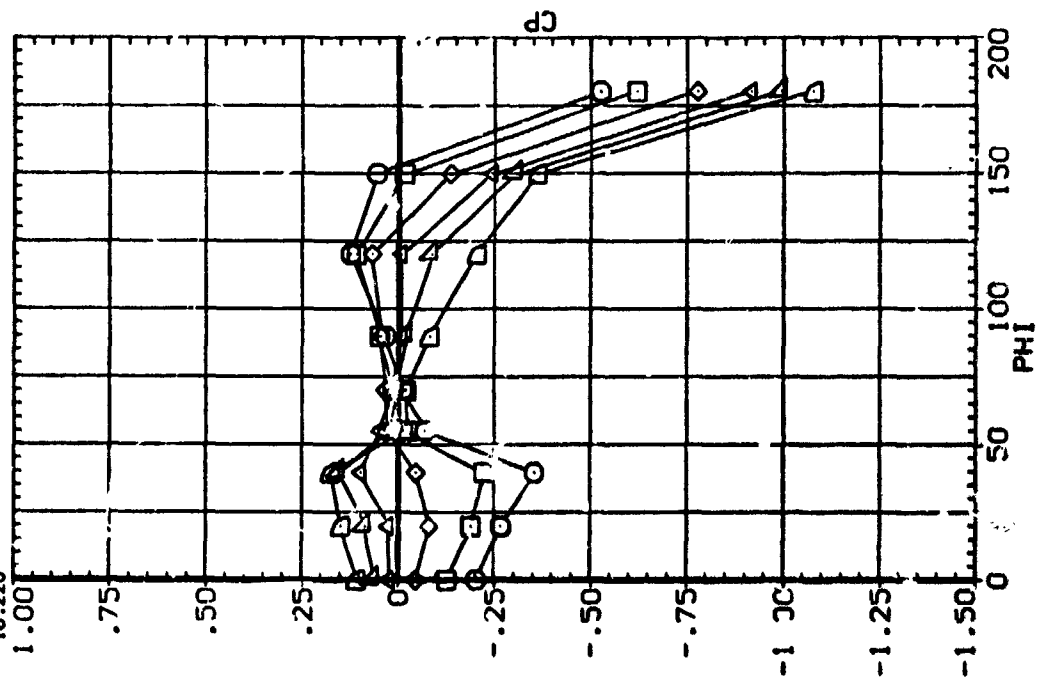
B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB03)

SYMBOL
 ○ □ ◇ △ ▽

ALPHA X/LB BETA
 -2.980 .186 -10.060
 .020 .236
 5.020
 10.030
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000



CL - CD CURVES ARE PLOTTED FOR EACH OF THE DIST

ALPHA EFFECT ELEVON = 0 RUDDER = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0803)

SYMBOL

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

X/LR
.302
.380

BETA
-10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
80FLAP -14.250 BETA -10.000

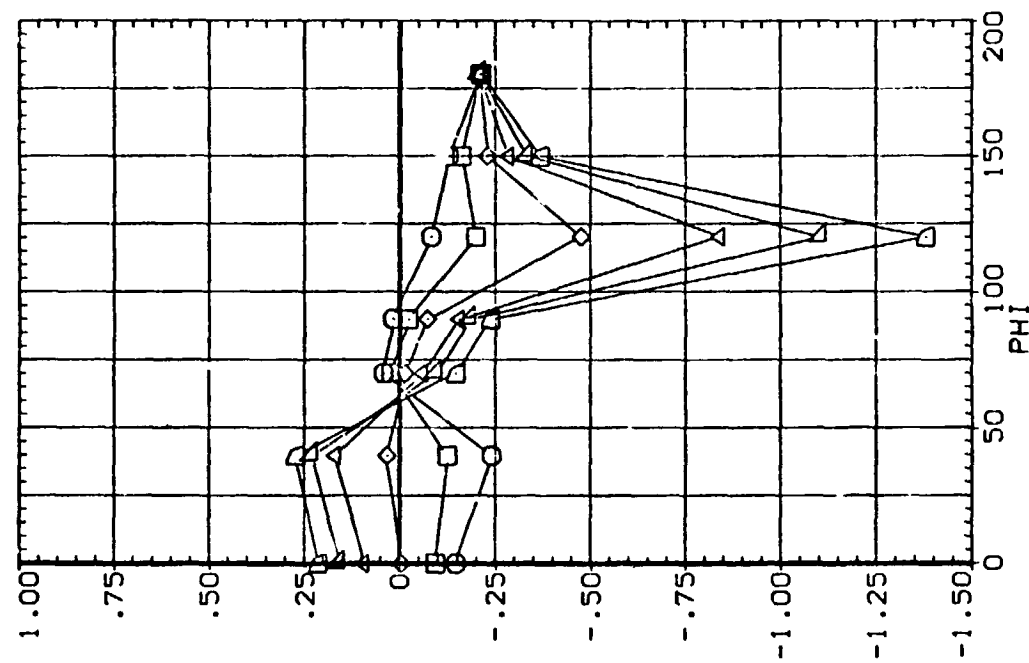
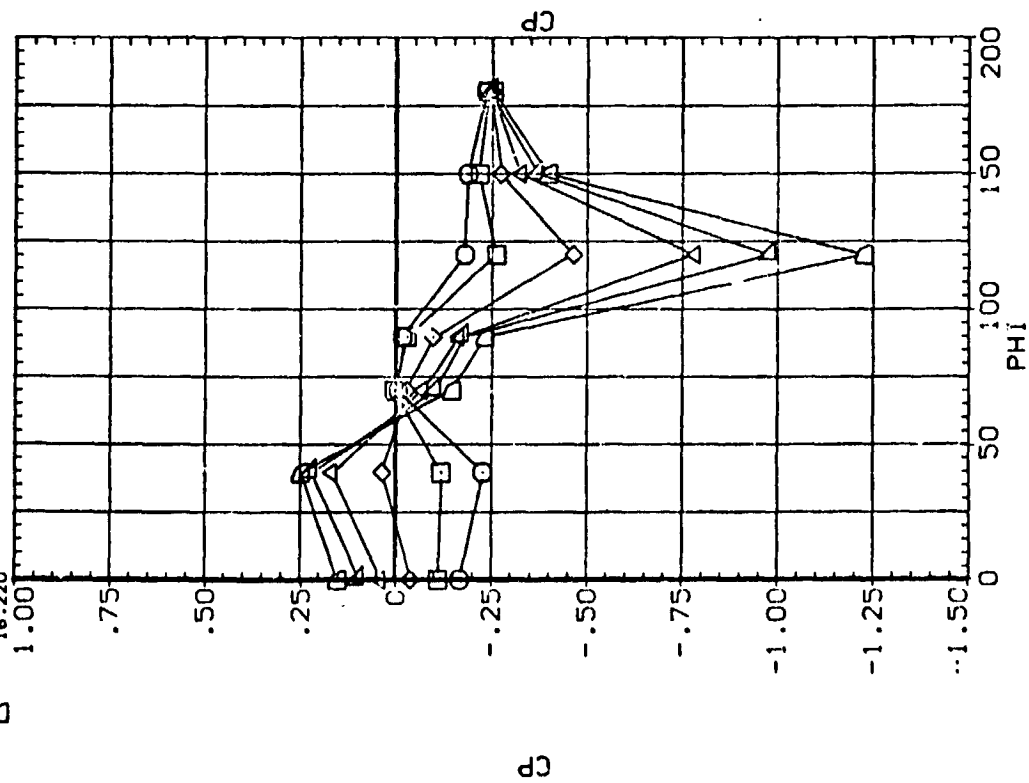


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R03803)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

ALPHA X/LB BETA
-2.980 .500 -10.060
.020 .655
5.020
10.090
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

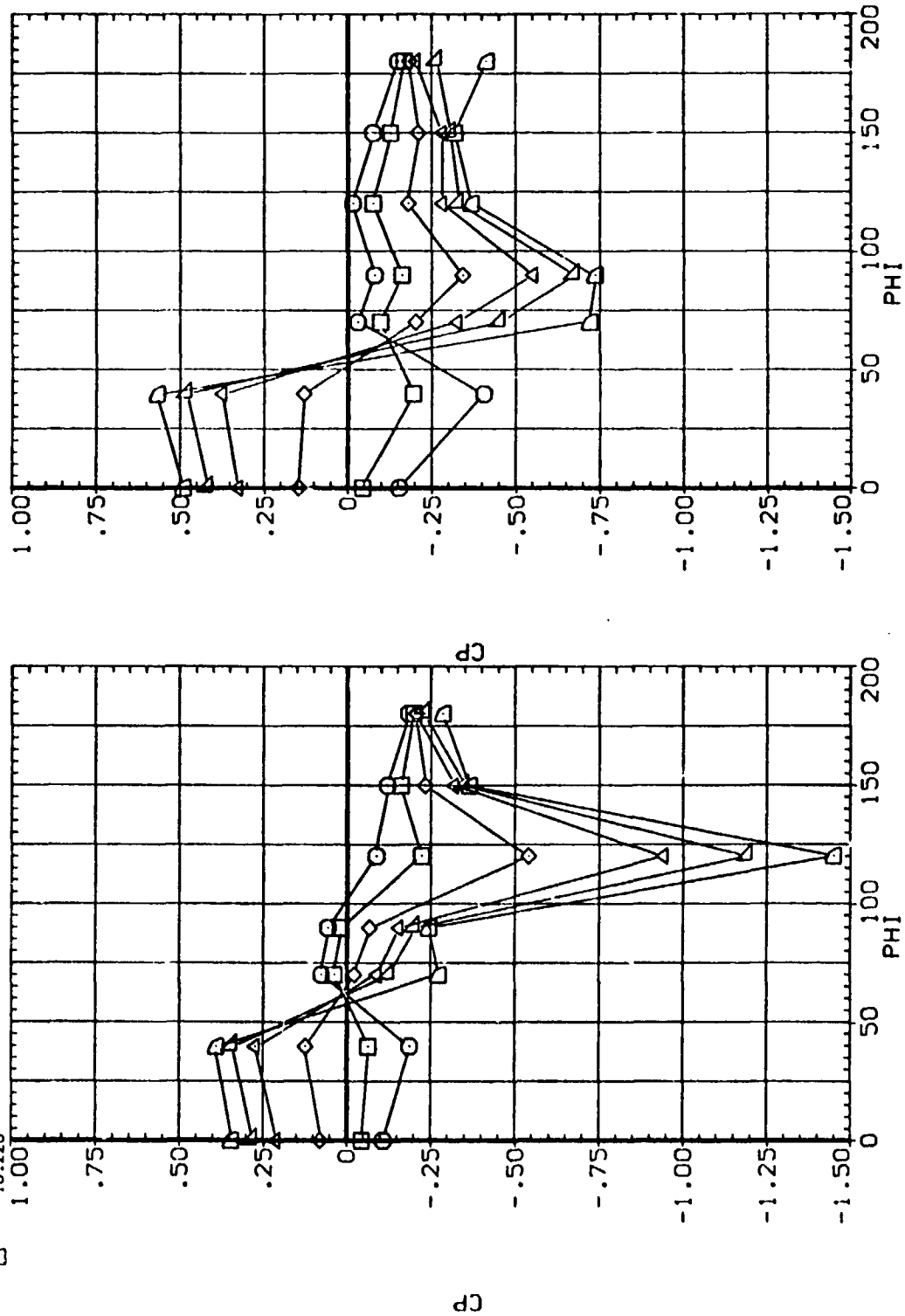


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B03)

SYMBOL
□ ◇ △ ▽ ▢

ALPHA
-2.980
.020
5.020
10.090
13.190
16.220

X/LB
.732
.783

BETA
-10.060

PARAMETRIC VALUES
ELEVON
R0FLAP
-14.250
RUDDER
BETA
.000
-10.000

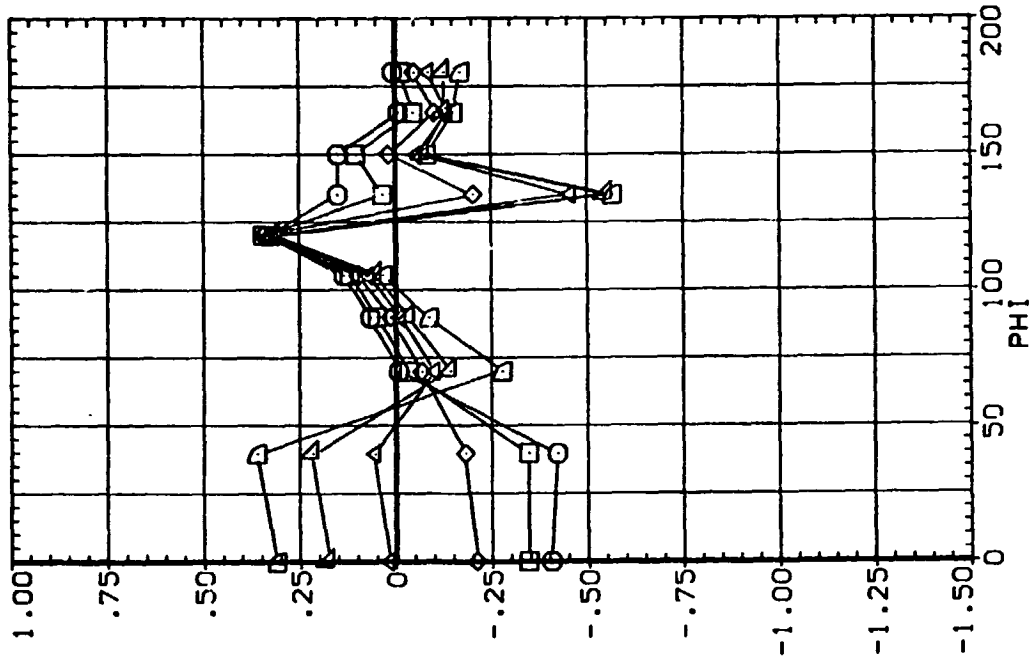
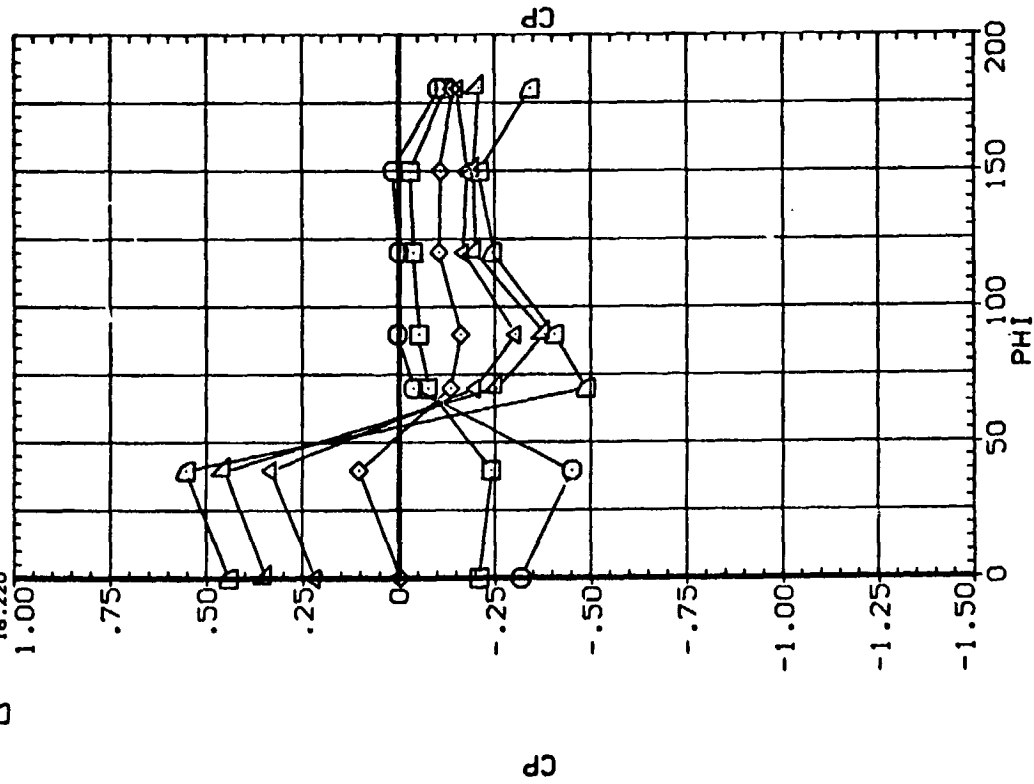


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQB03)

SYMBOL	ALPHA	X/LB	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	BETA
□	-2.980	.825	-10.060	.000	.000	.000
◇	.020	.884		-14.250		-10.000
△	5.020					
▽	10.090					
◊	13.190					
◑	16.220					

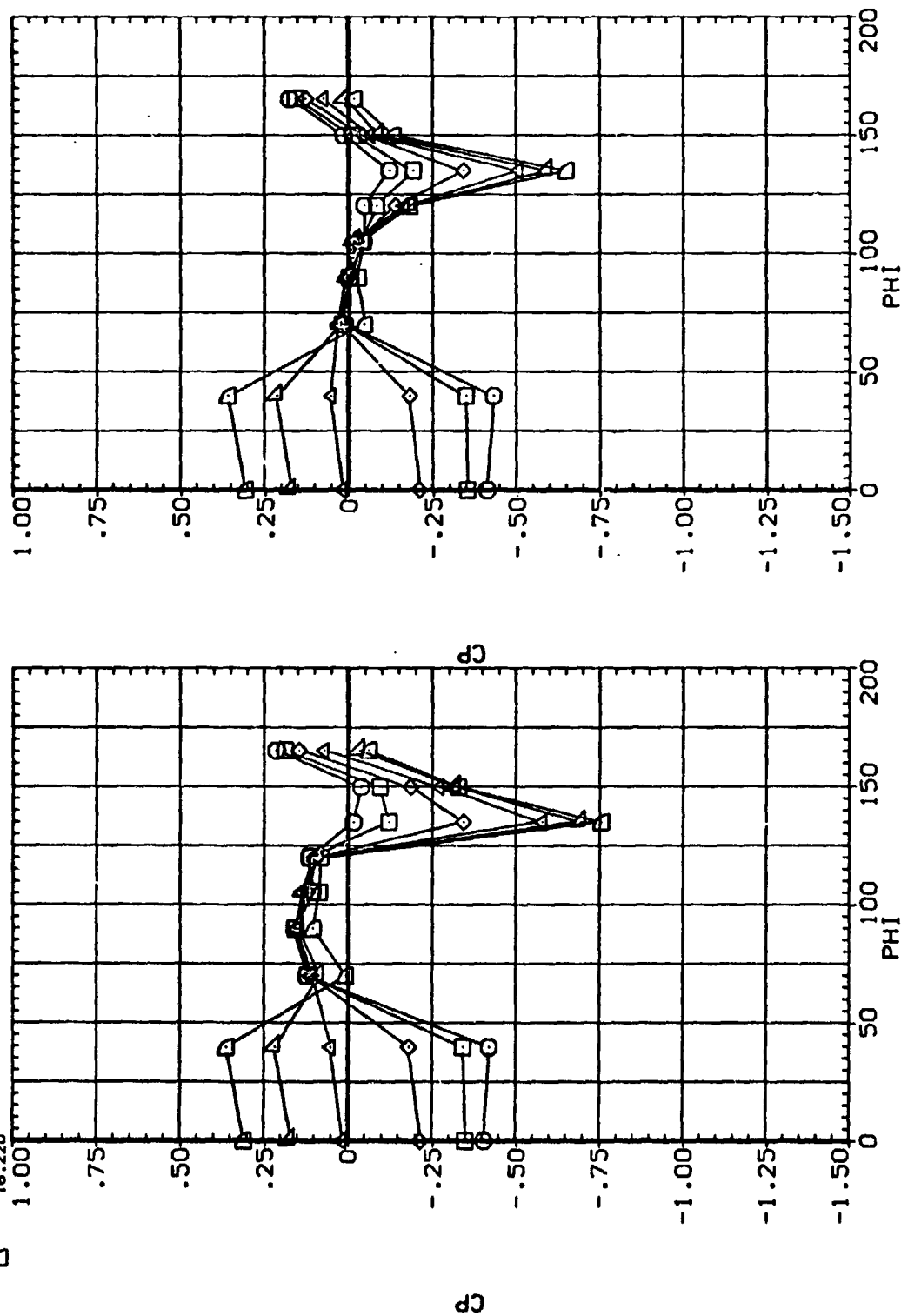


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10
PAGE 209

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0803)

SYMBOL
 O □ ◇ △ ▽ ▿

ALPHA
 -2.980
 .020
 5.020
 10.090
 13.190
 16.220

X/LB
 .926
 .965

BETA
 -10.060

PARAMETRIC VALUES
 ELEVON .000
 BDFLAP -14.250
 RUDDER .000
 BETA -10.000

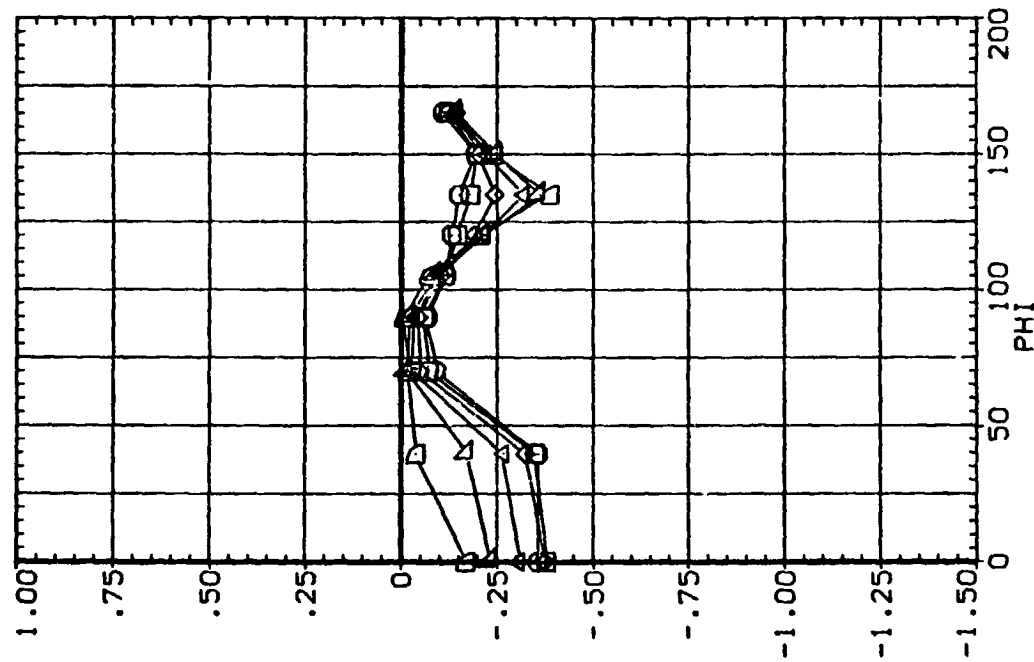
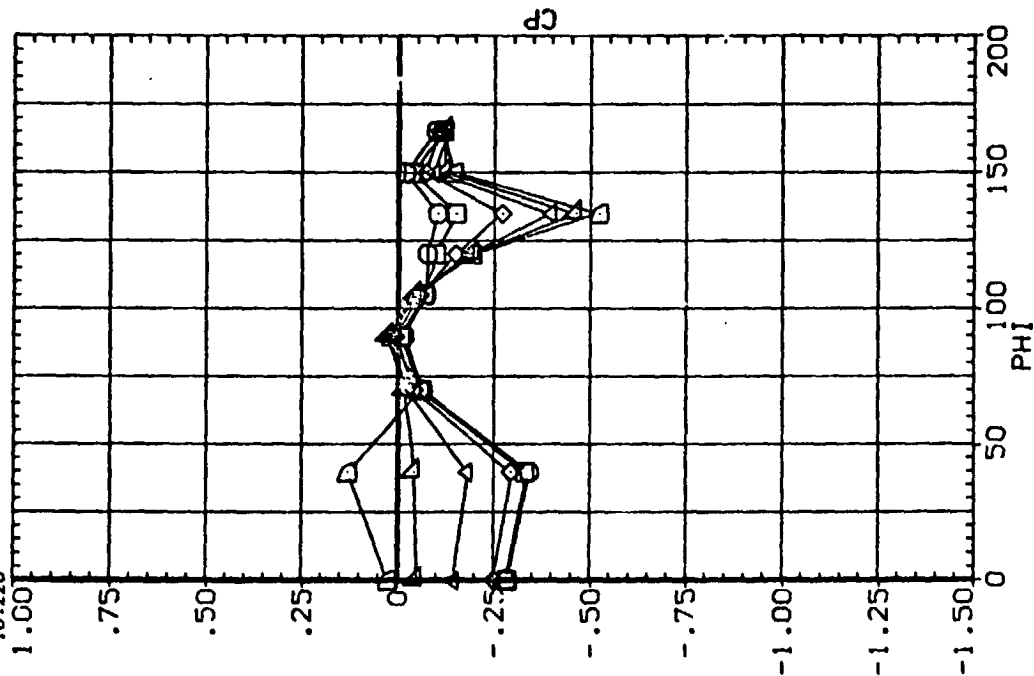


FIG. 22 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0Q804)

SYMBOL	ALPHA	X/LB	BETA	ELEVON	RUDDER	BETA
□	-2.950	.008	-.010	.000	.000	.000
◇	.050	.023				
△	5.030					
▽	10.100					
▽	13.220					
▿	16.240					

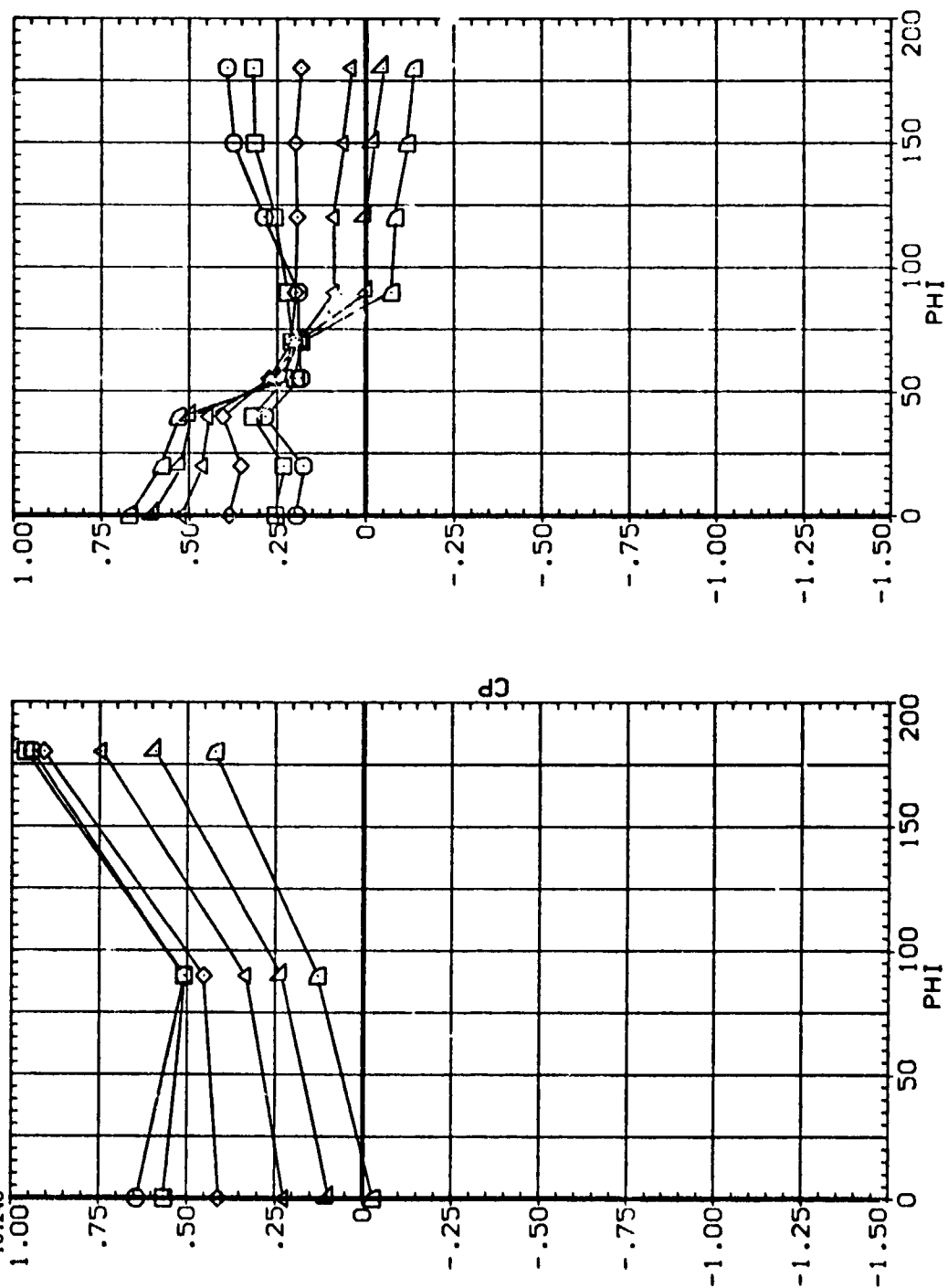


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

SYMBOL
□ ◇ △ ▽ ▹

ALPHA X/LB BETA
-2.950 .047 -.010
.050 .070
5.030
10.100
13.220
16.240

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA .000

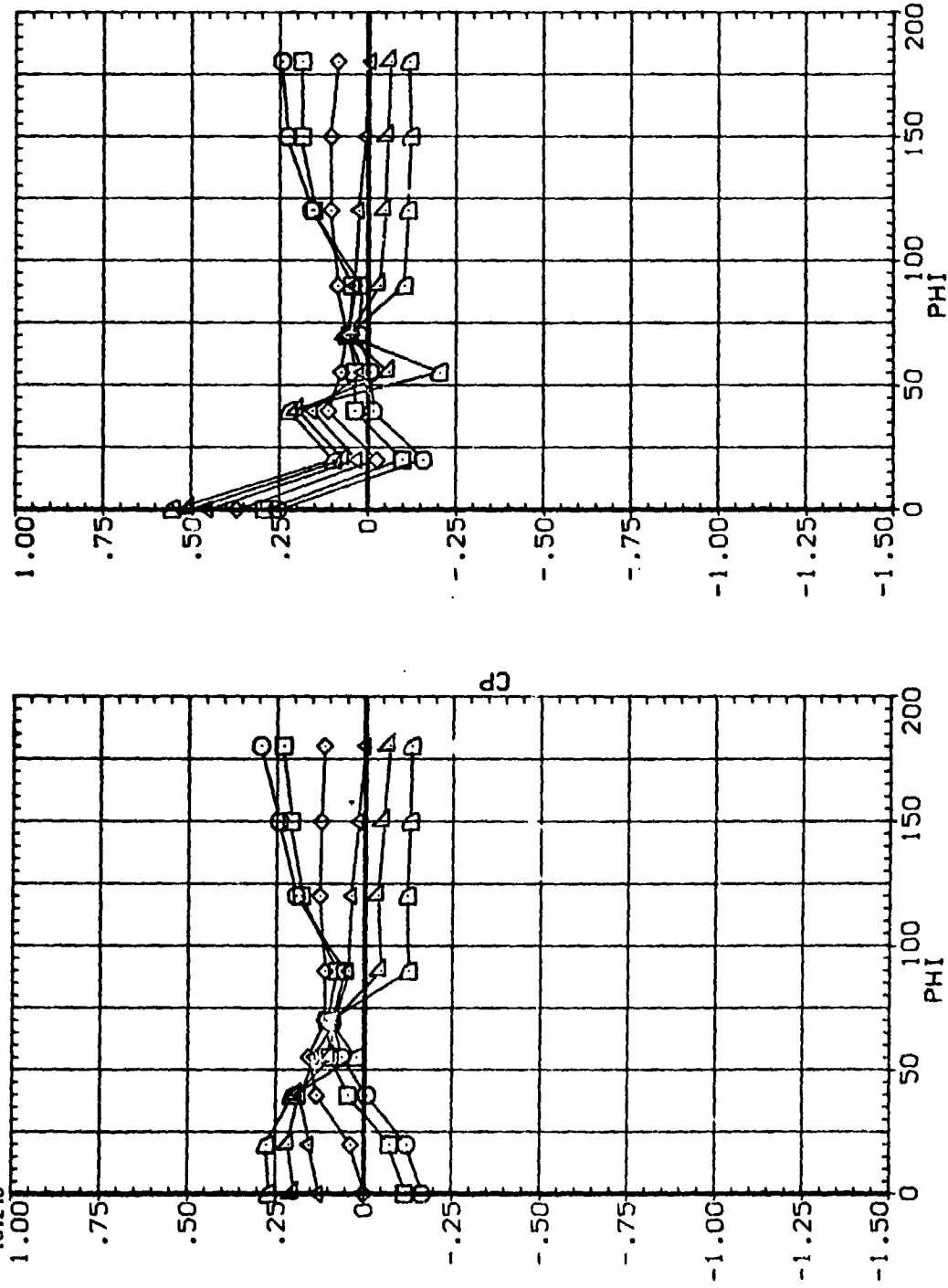


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0804)

SYMBOL
□ ◇ △ ▽ ▢

ALPHA
-2.950
.050
5.030
10.100
13.220
16.240

X/LB
.112
.147

BETA
-.010

PARAMETRIC VALUES
ELEVON
BDCLAP

.000
-14.250
BETA

.000
.000

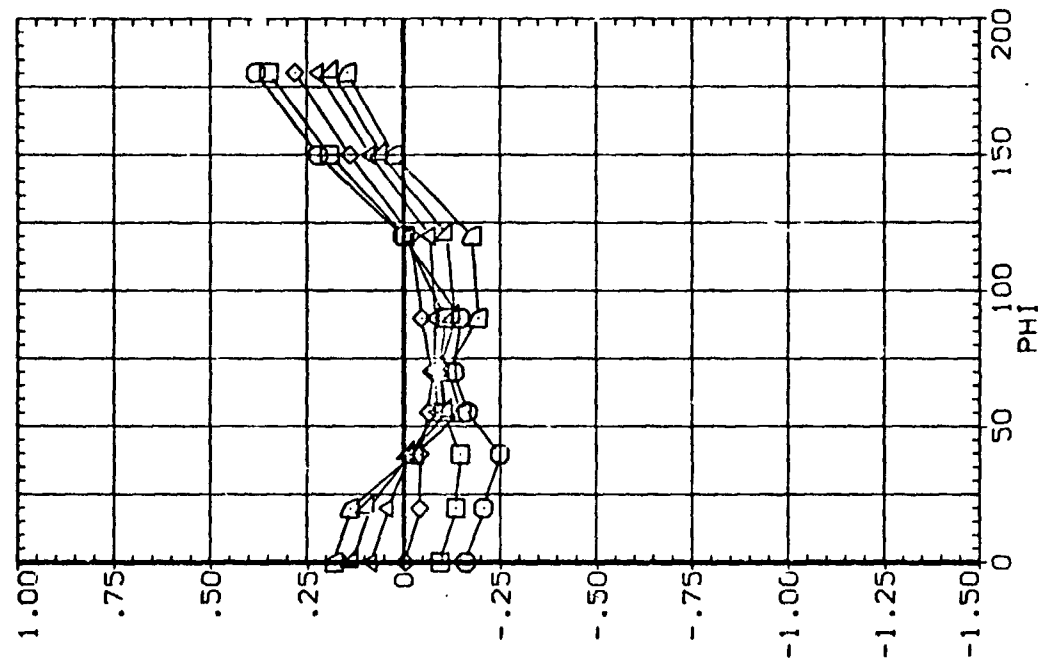
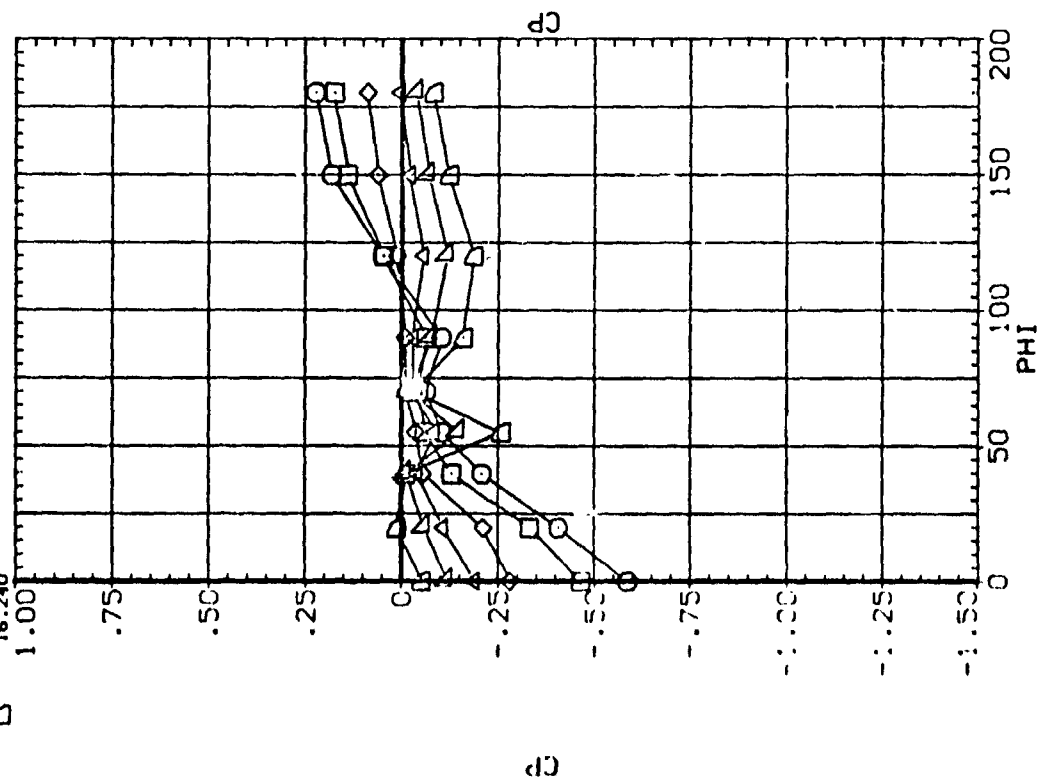


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (R00804)

SYMBOL
 ○ □ ◇ △ ▽ ▿

ALPHA
 -2.950
 .050
 5.030
 10.100
 13.220
 16.240

X/LB
 .186
 .236

BETA
 -.010

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA .000

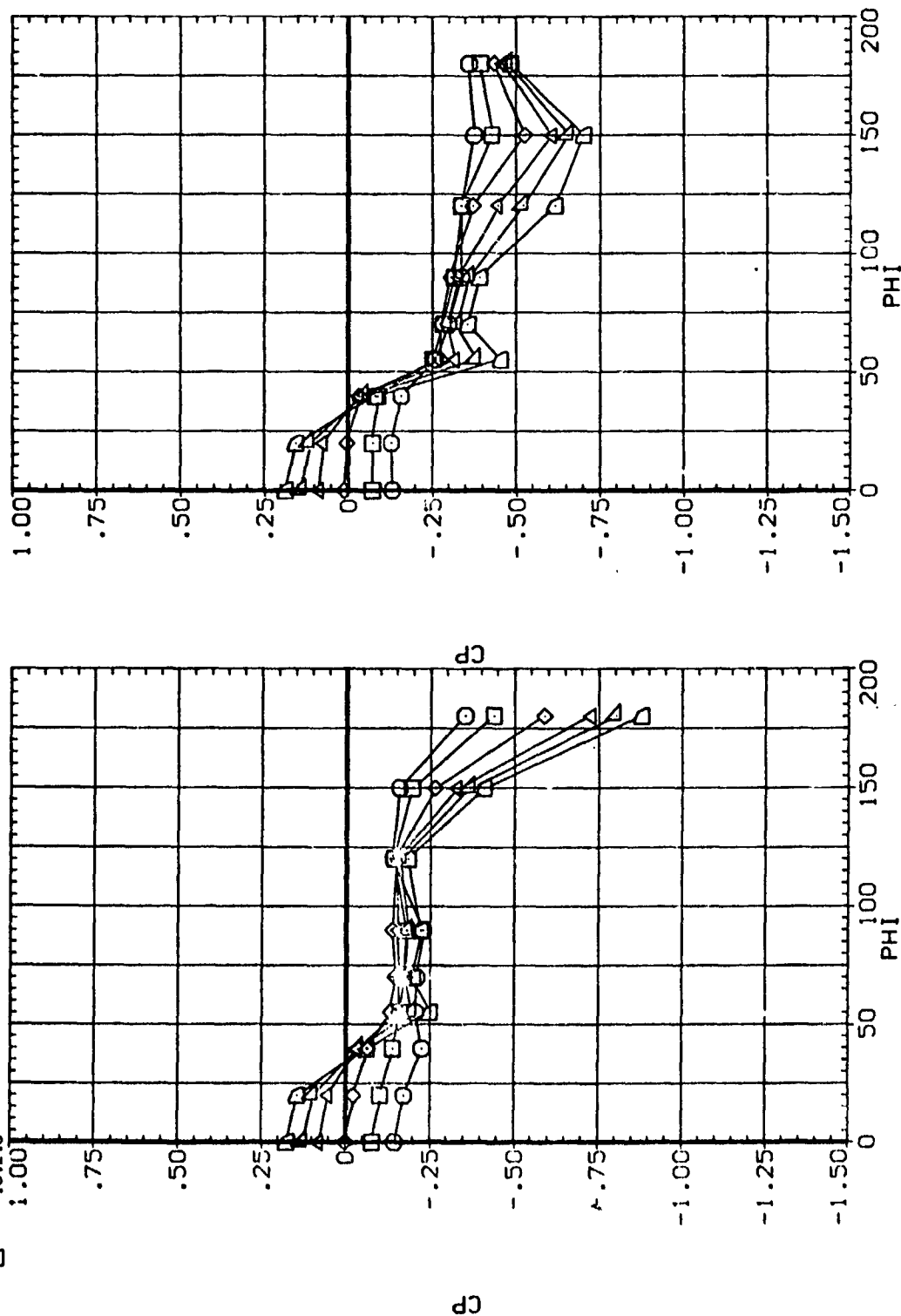


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00804)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA
-2.950
.050
5.030
10.00
13.220
16.240

X/LB
.302
.380

BETA
-.010

PARAMETRIC VALUES
ELEVON
BD/FLAP

.000
.000

-14.250
BETA

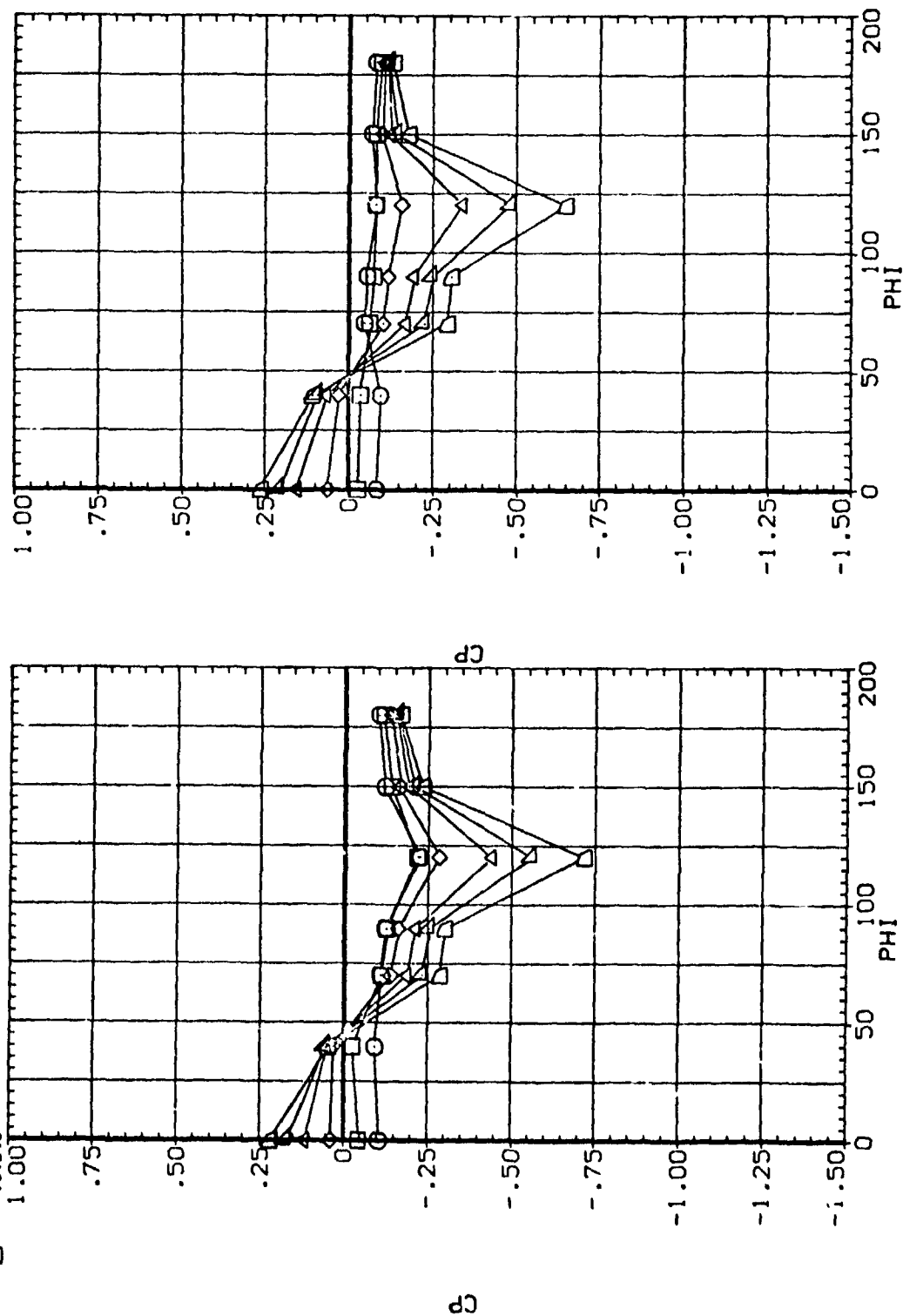


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .500 -.010
.050 .655
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ ◆ ◆ ◆ ◆

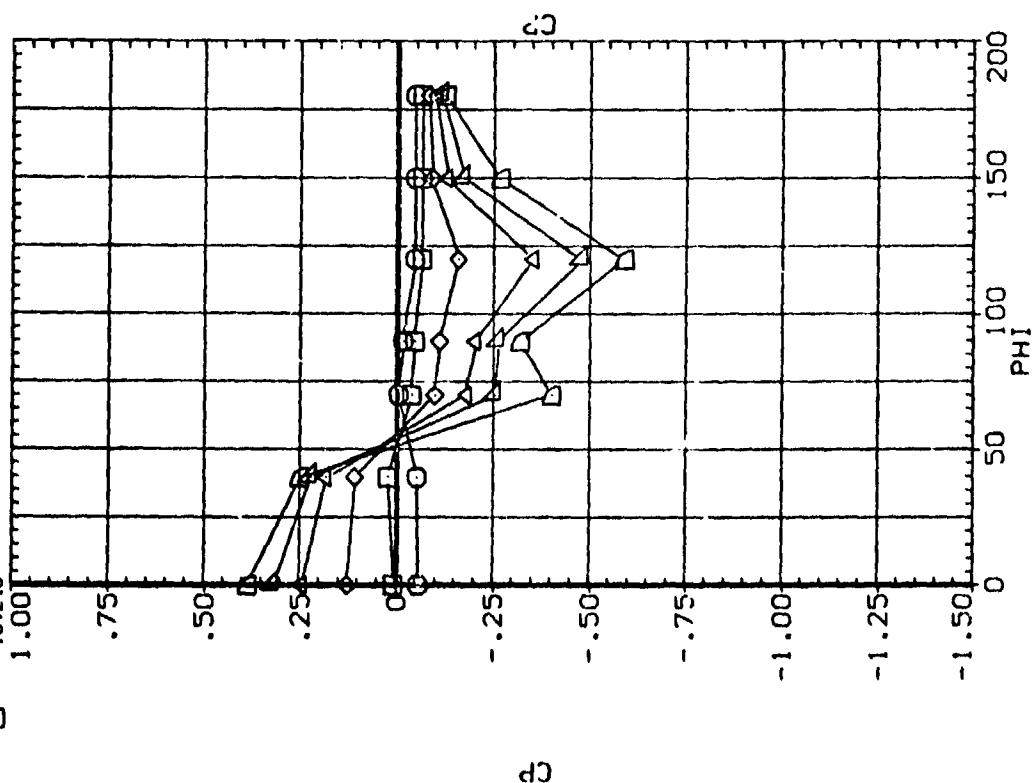
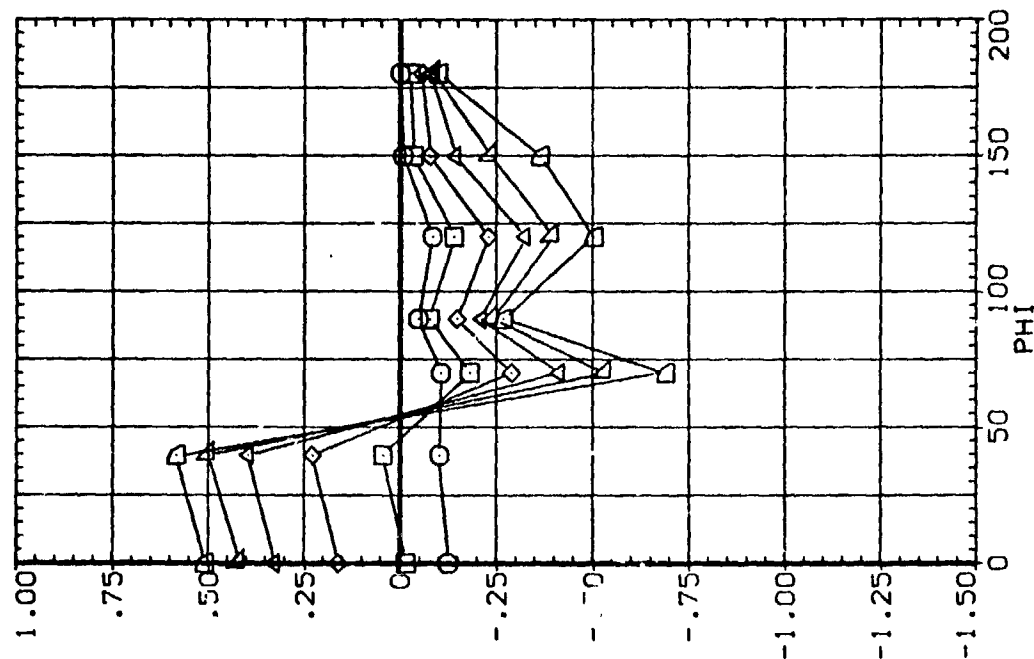


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RDQ804)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDCLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .732 -.010
.050 .783
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▢

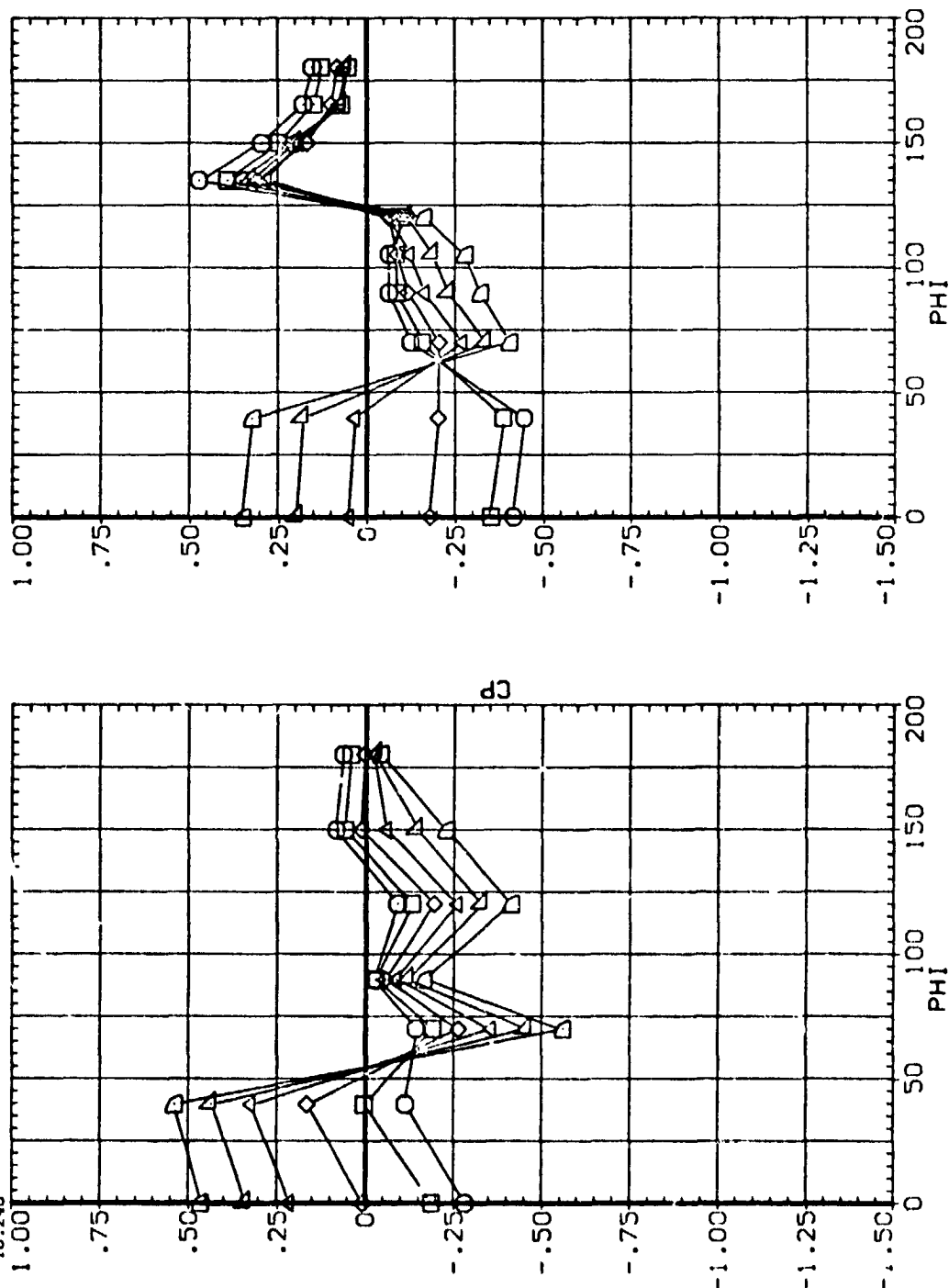


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

(RDQB04)

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA .000

ALPHA X/LB BETA
-2.950 .825 -.010
.050 .884
5.030
10.100
13.220
16.240

SYMBOL
□ ◇ △ ▽ ▹

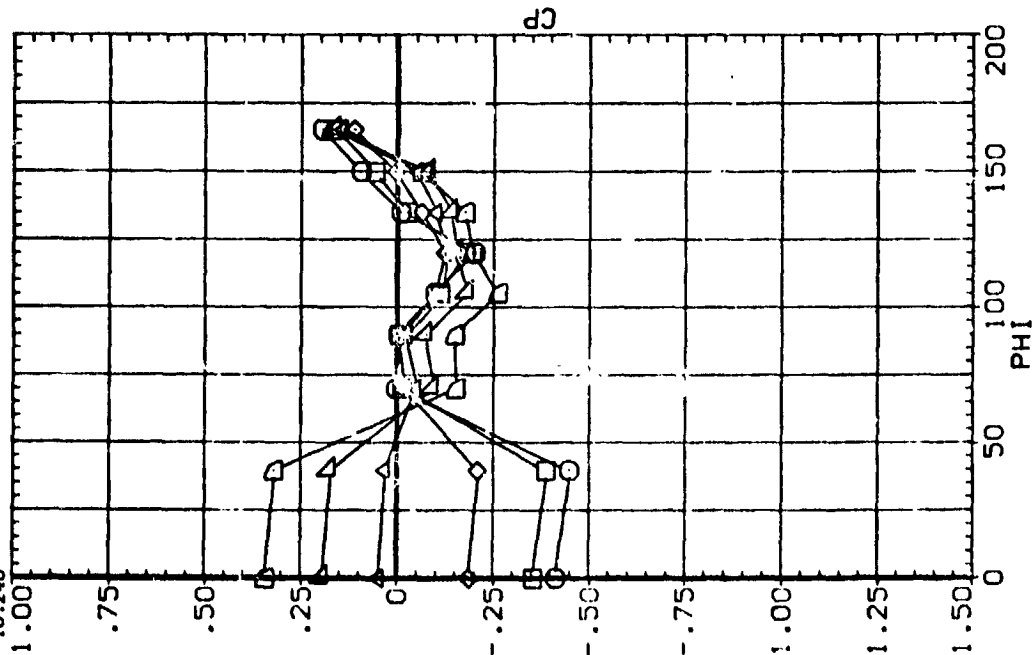
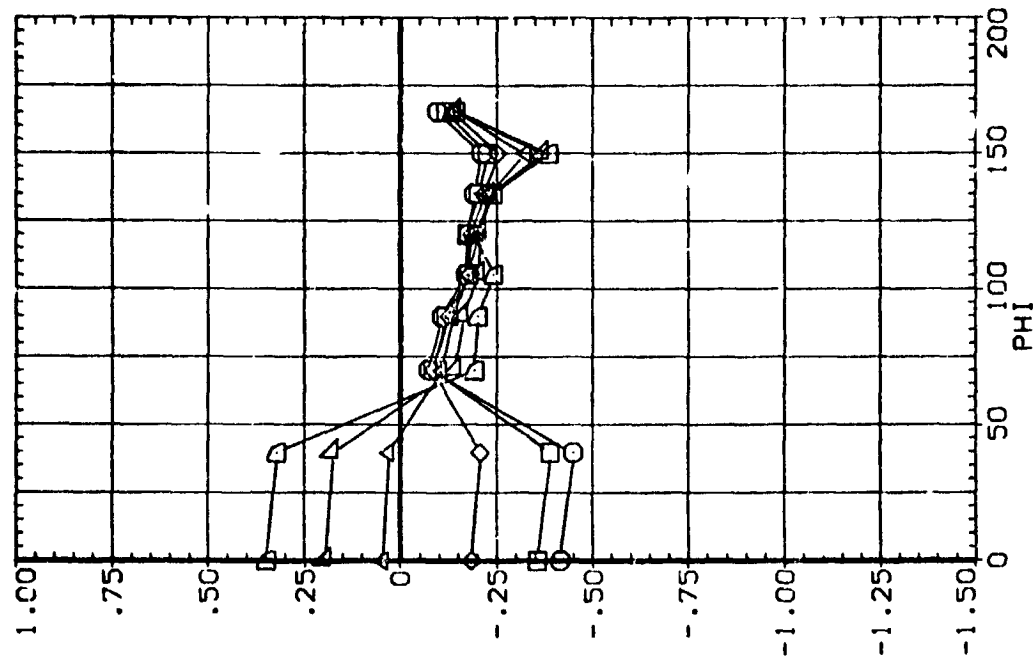


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB04)

PARAMETRIC VALUES		
ELEVON	.000	RUDDER
BDFLAP	-14.250	BETA
		.000

ALPHA	X/18	BETA
-2.950	.926	-.010
.050	.965	
5.030		
10.100		
13.220		
16.240		

SYMBOL
 □ ◇ △ ▲ ▽

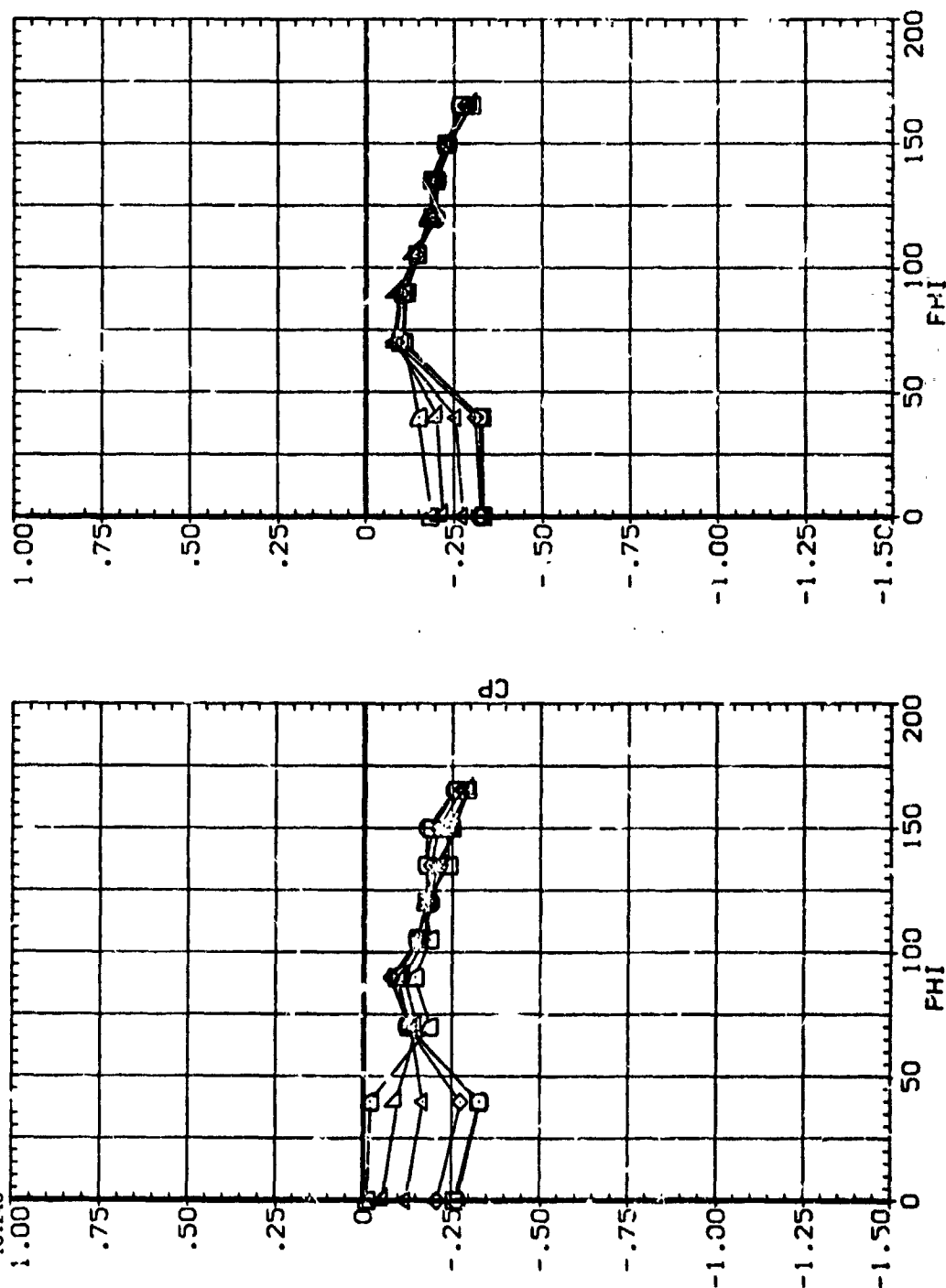


FIG. 23 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = 0

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

B26C9J15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R0QB05)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA X/1 B BETA
-2.970 .008 10.050
.030 .023
5.020
10.120
13.190
16.220

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

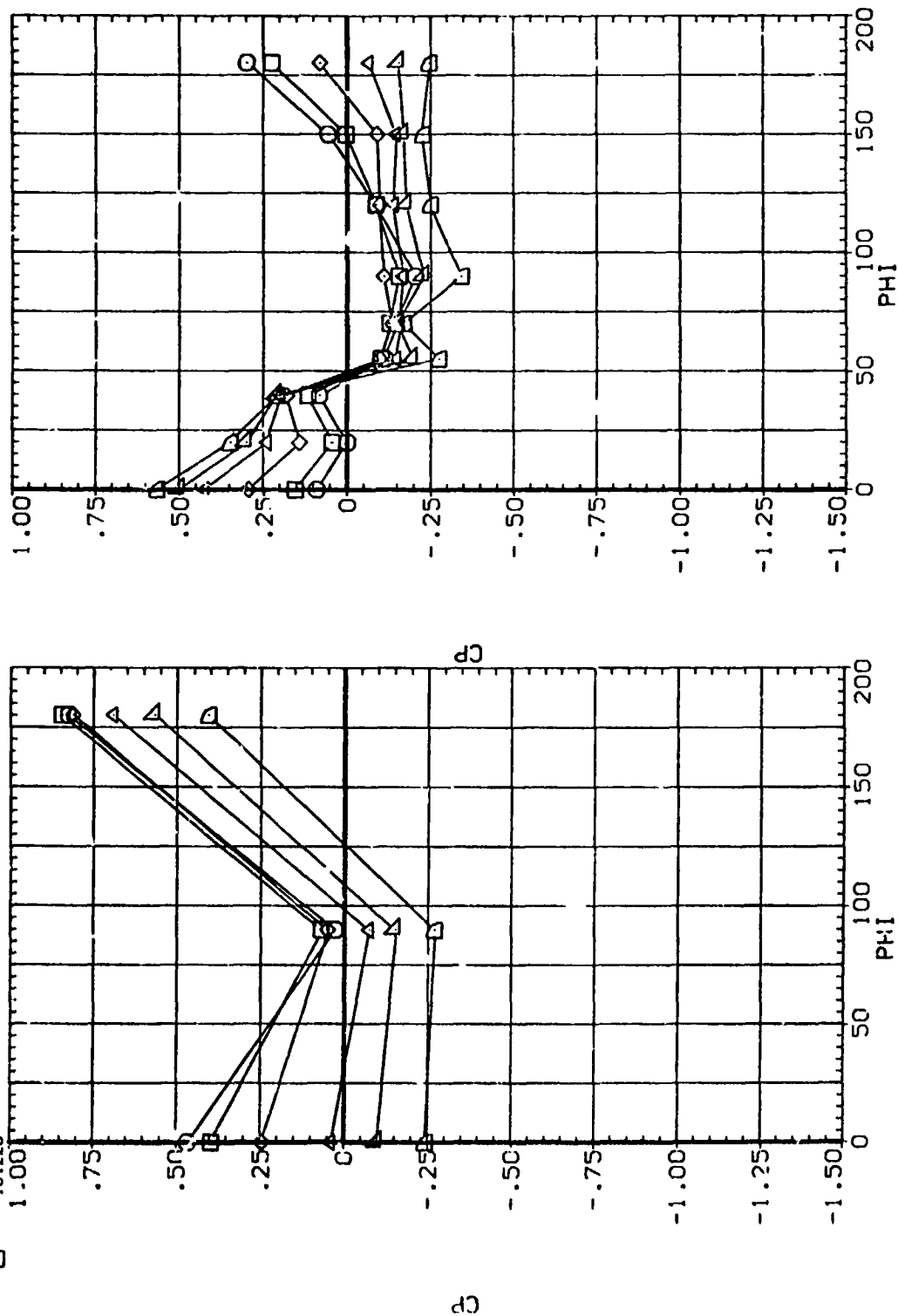


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00805)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA X/LB BETA
-2.970 .947 10.050
.030 .070
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

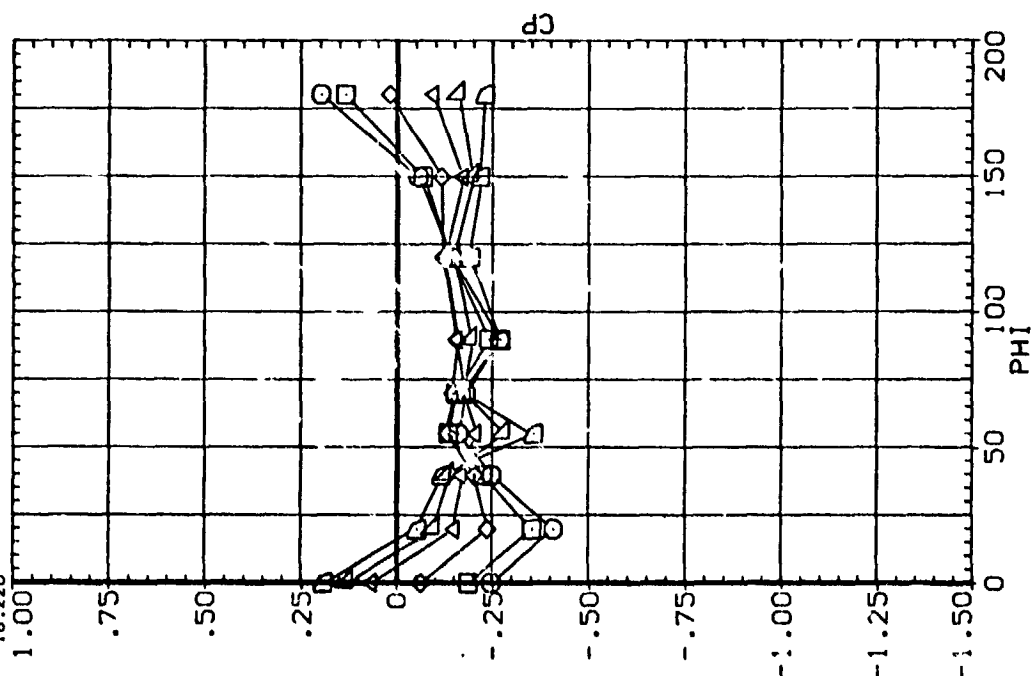
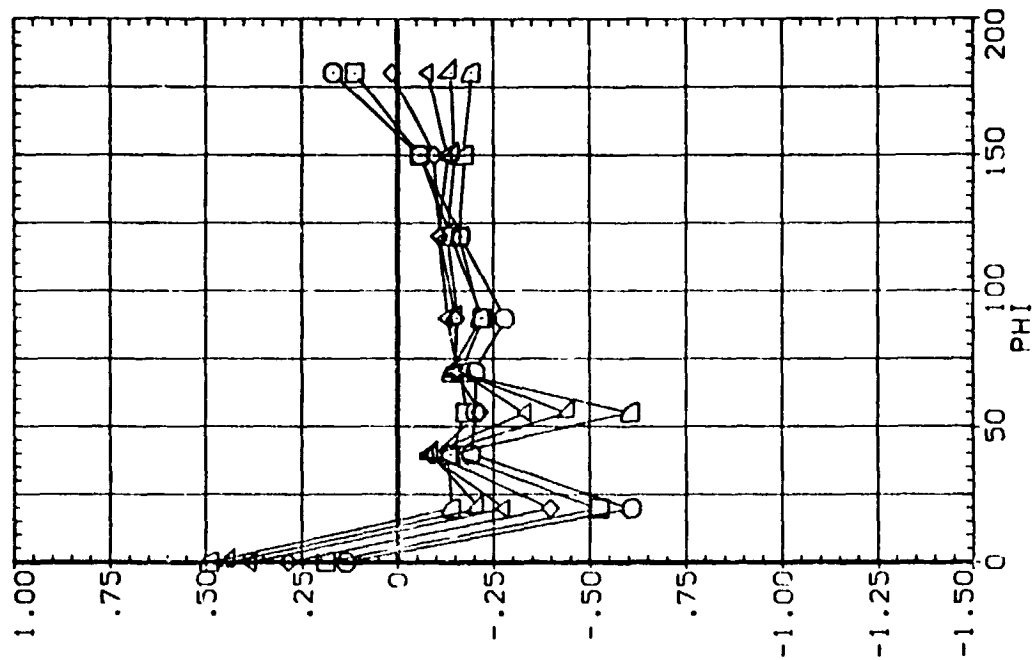


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RD0805)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA 10.000

ALPHA X/LB BETA
-2.970 .112 10.050
.030 .147
5.020
10.170
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▽

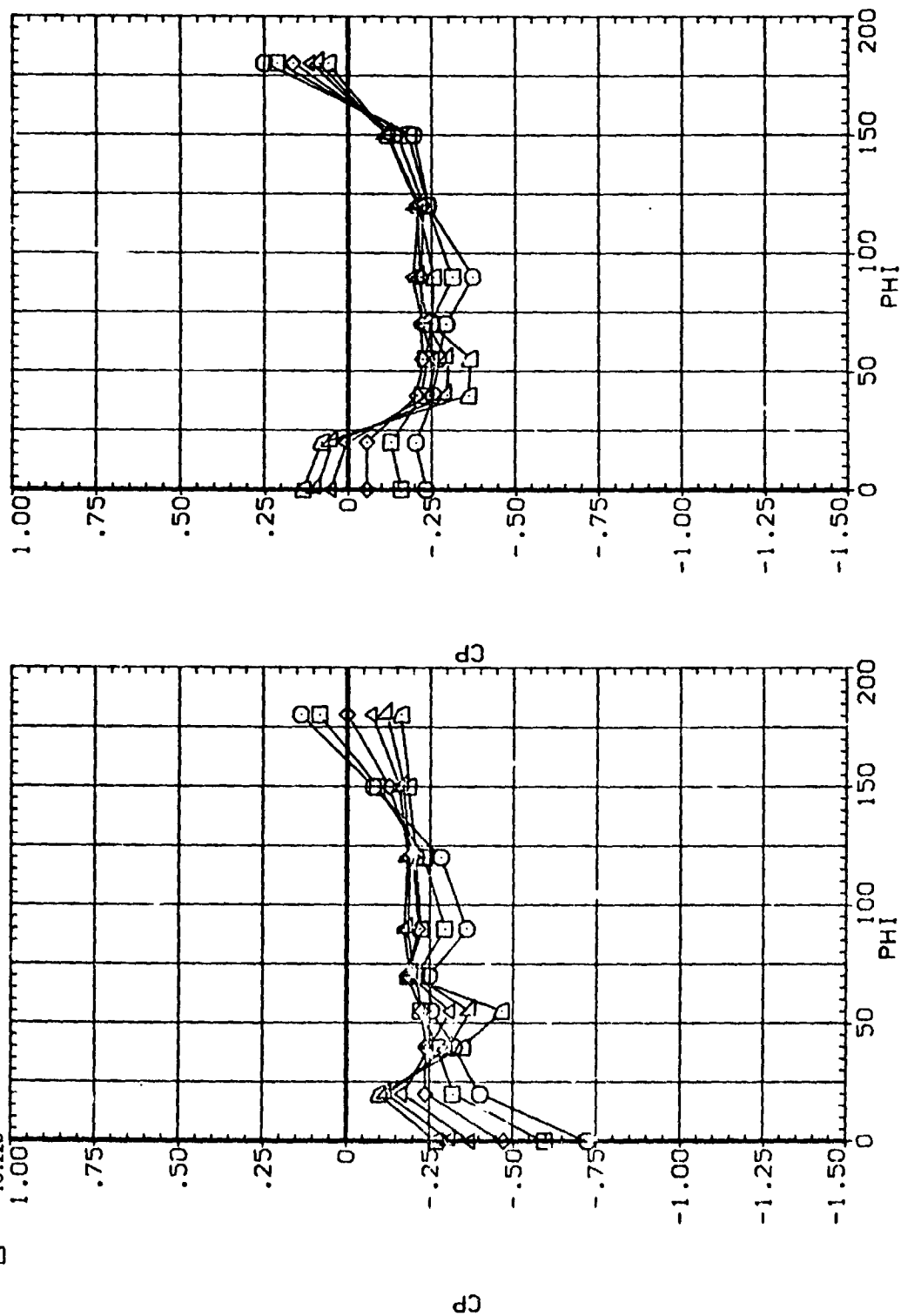


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00B05)

SYMBOL
 □ ◇ △ ▽ ▿

ALPHA X/LB BETA
 -2.970 .186 10.050
 .030 .236
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

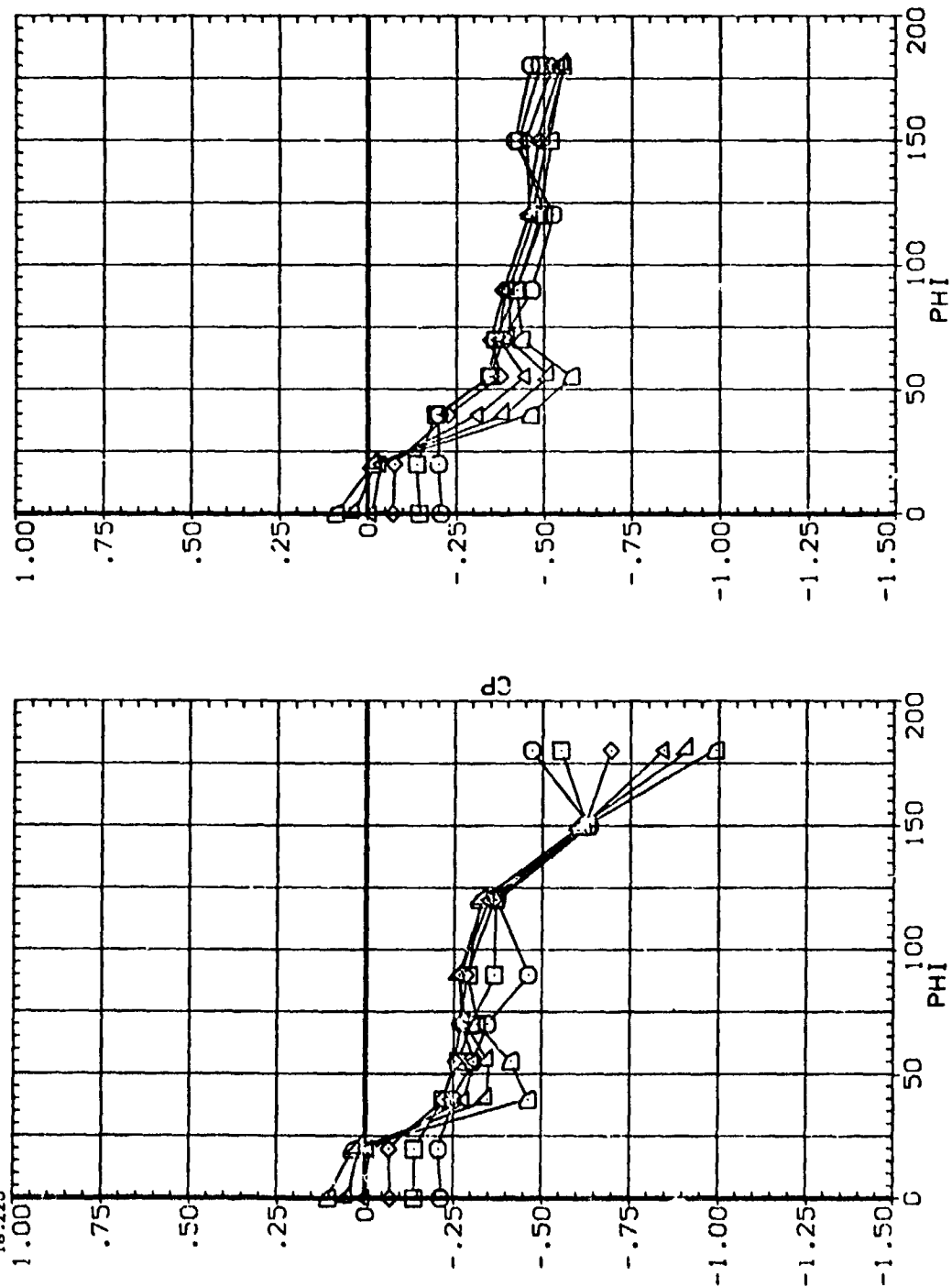


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(R00805)

SYMBOL
□ ◇ △ ▽ ▹

ALPHA X/LB BETA
-2.970 .302 10.050
-.030 .380
5.020
10.120
13.190
16.270

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA 10.000

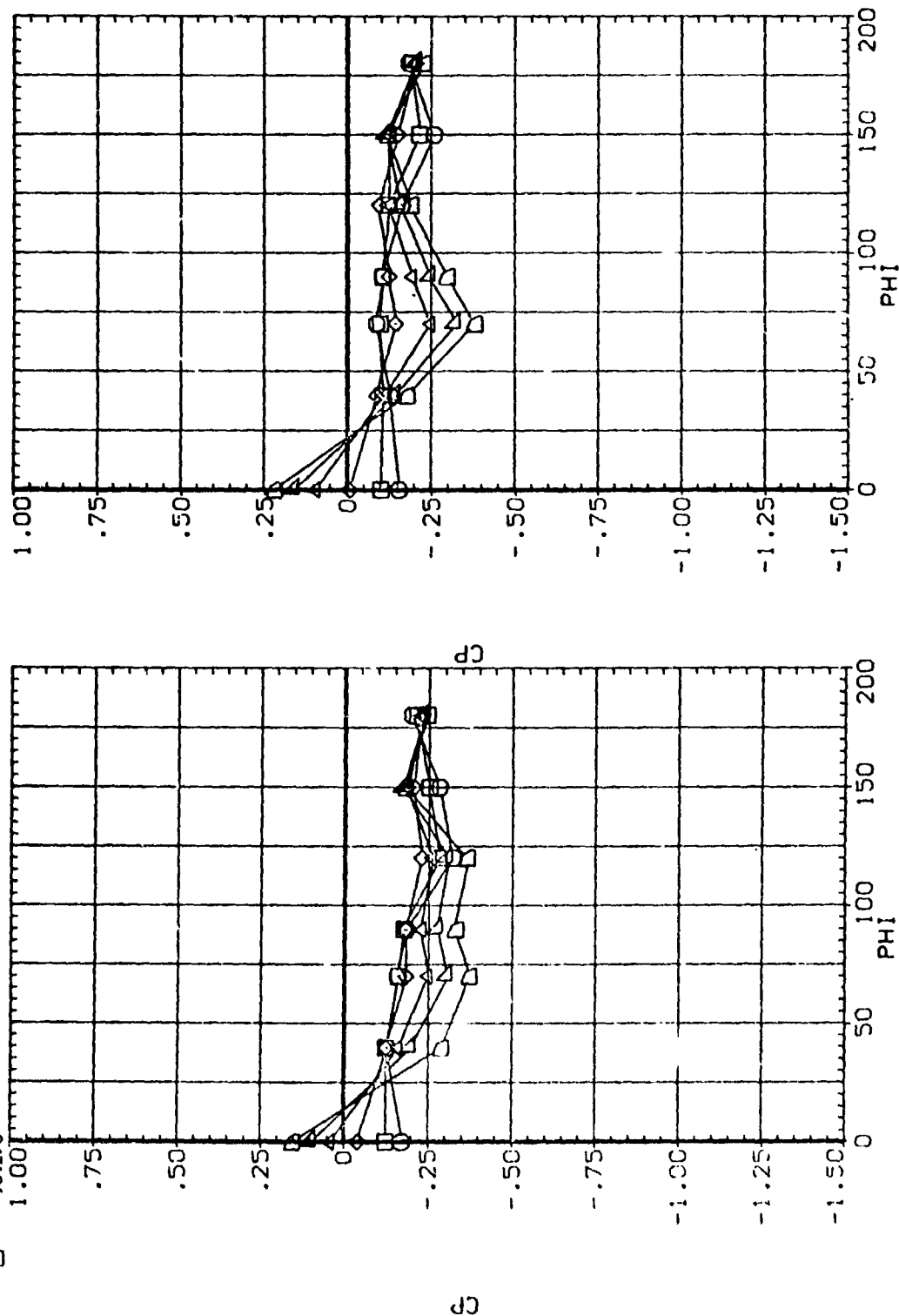


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST. ALPHA EFFECT, ELEVON = 0, BETA = +10

B26L9G15M7F8W116E26V8R3X9 LEFT FUSELAGE

(R00805)

SYMBOL	ALPHA		X/LB		BETA		PARAMETRIC VALUES		
	-2.970	.500	.500	.655	10.050		ELEVON	.000	RUDDER
□	.030						BDFLAP	-14.250	BETA
◇	5.020								10.000
△	10.120								
▽	13.190								
◊	16.220								

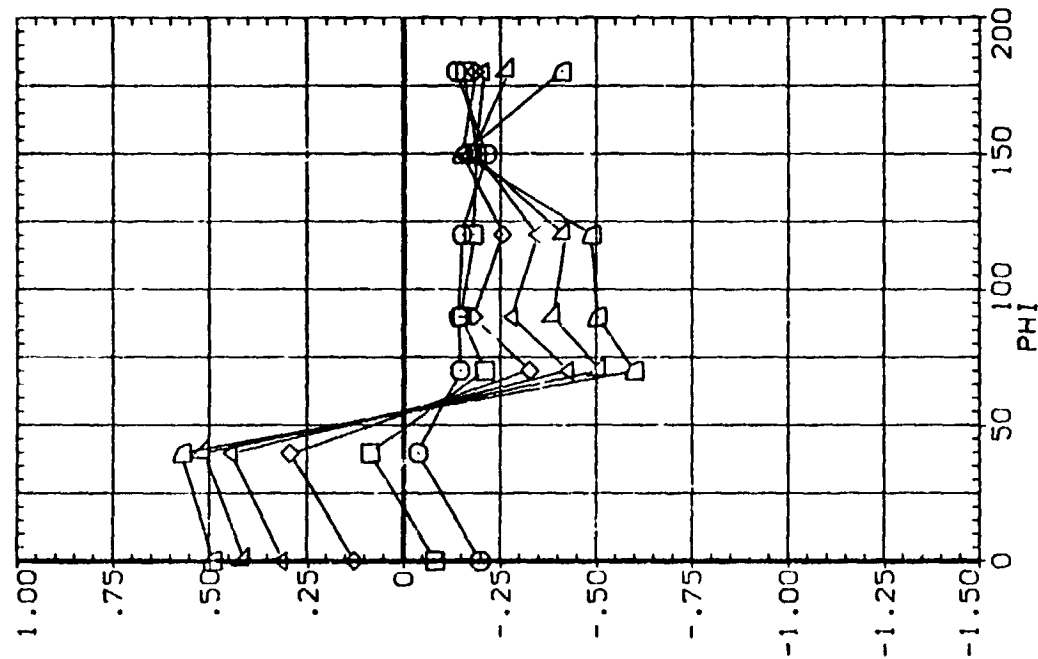
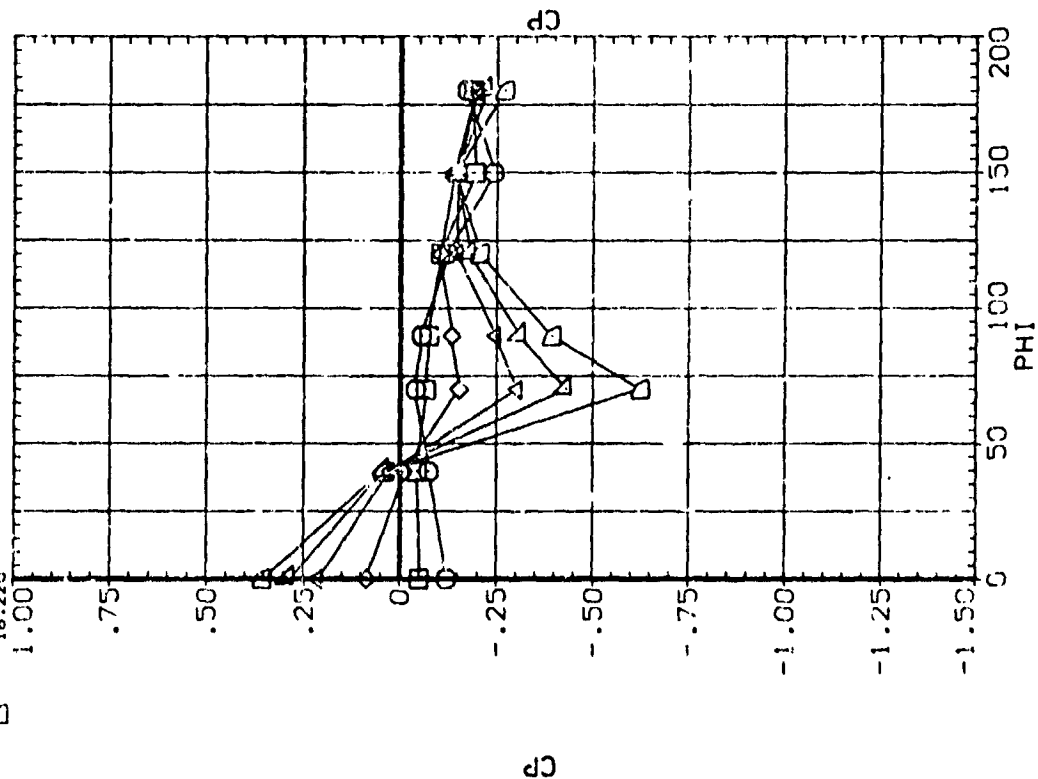


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE (RD0805)

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BOFLAP -14.250 BETA 10.000

ALPHA X/LB BETA
-2.970 .732 10.050
.030 .783
5.020
10.120
13.190
16.220

SYMBOL
□ ◇ △ ▽ ▹ ▸

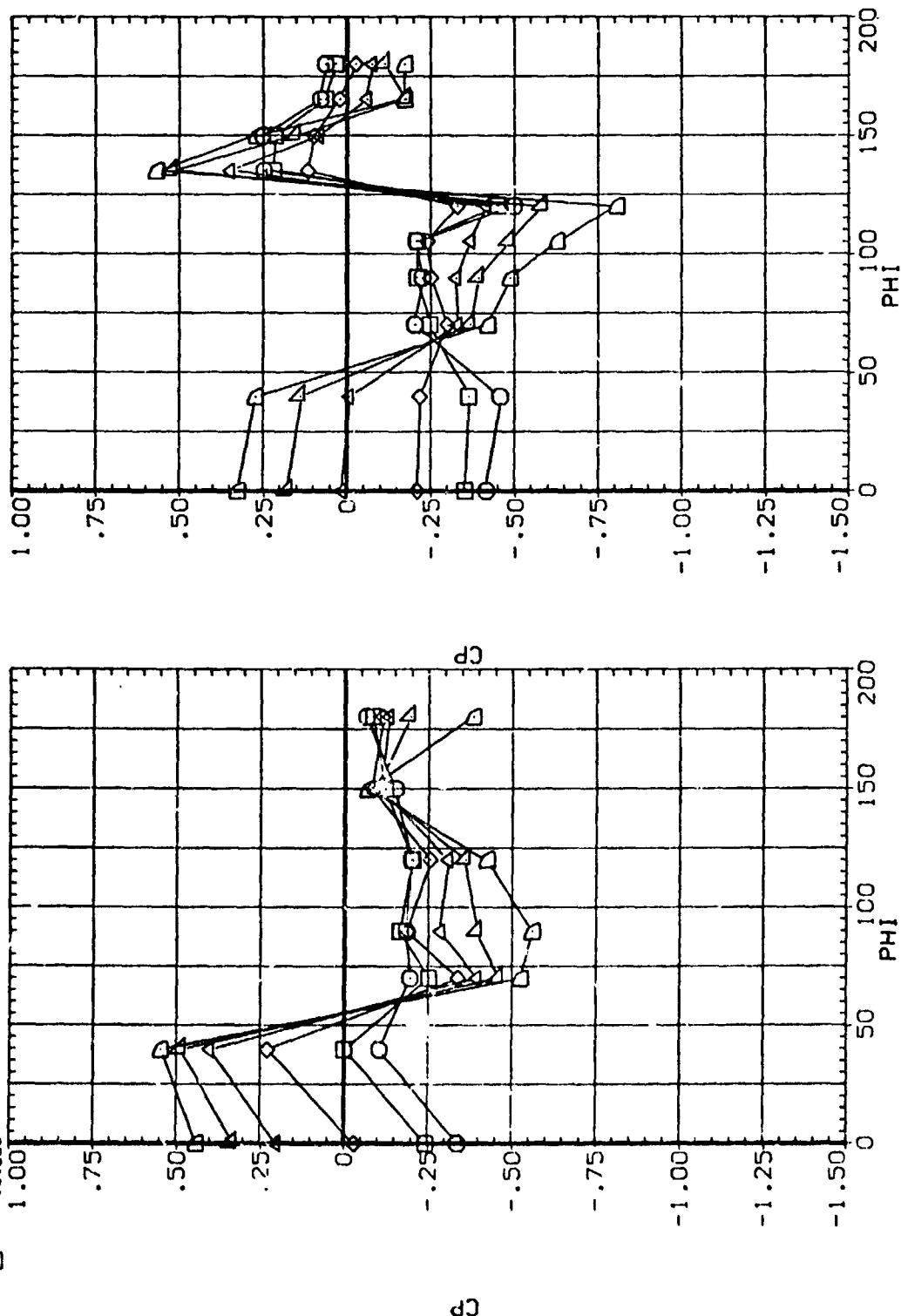


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10
PAGE 226

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDL8U5)

SYMBOL
 ○ □ ◇ △ ▽

ALPHA X/LB BETA
 -2.970 .825 10.050
 .030 .884
 5.020
 10.120
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA 10.000

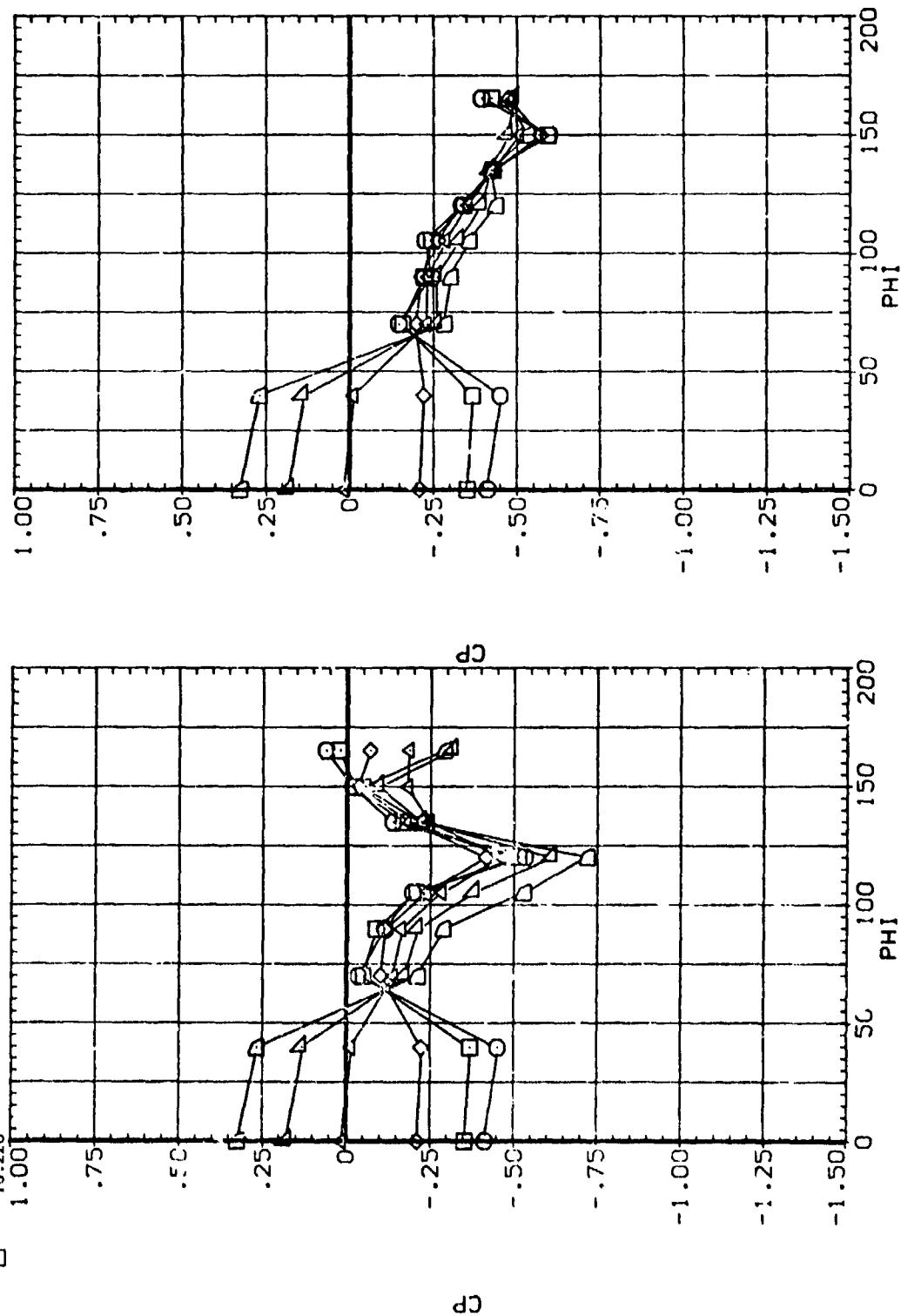


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = +10

B26C9G15M7F8W116E26V8R5X9 LEFT FUSELAGE

(RDQB05)

SYMBOL
□ ◇ △ ▽ ▹ ▸

ALPHA
-2.970
.030
5.020
10.120
13.190
16.220

X/LB
.926
.965

BETA
10.050

PARAMETRIC VALUES
ELEVON
80FLAP
-14.250
RUDDER
BETA
10.000

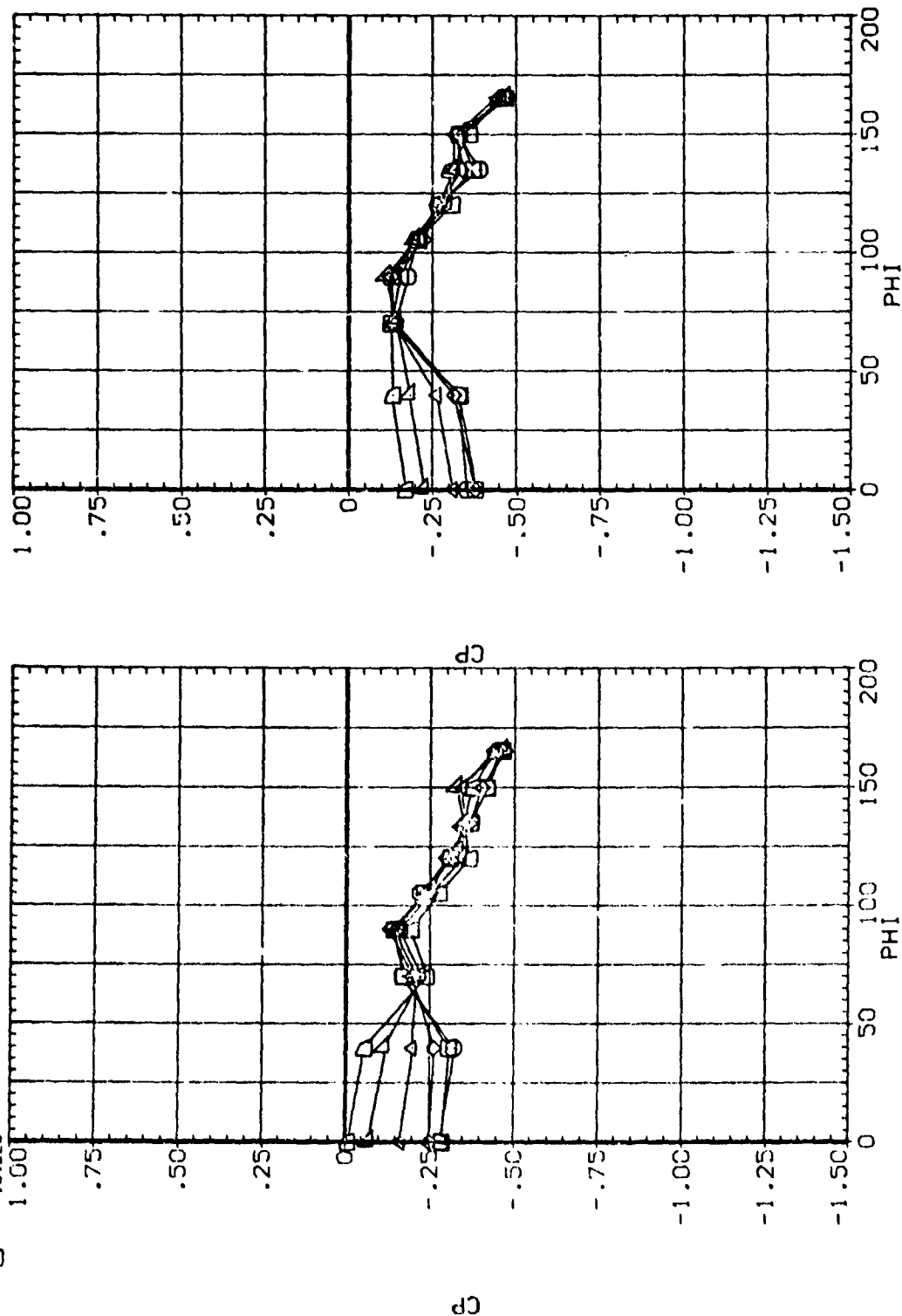


FIG. 24 FUSELAGE CIRCUM. PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10



SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.980 .020 5.020	.239	-10.060	ELEVON BDFLAP	.000 -14.250 RUDDER BETA .000 -10.000

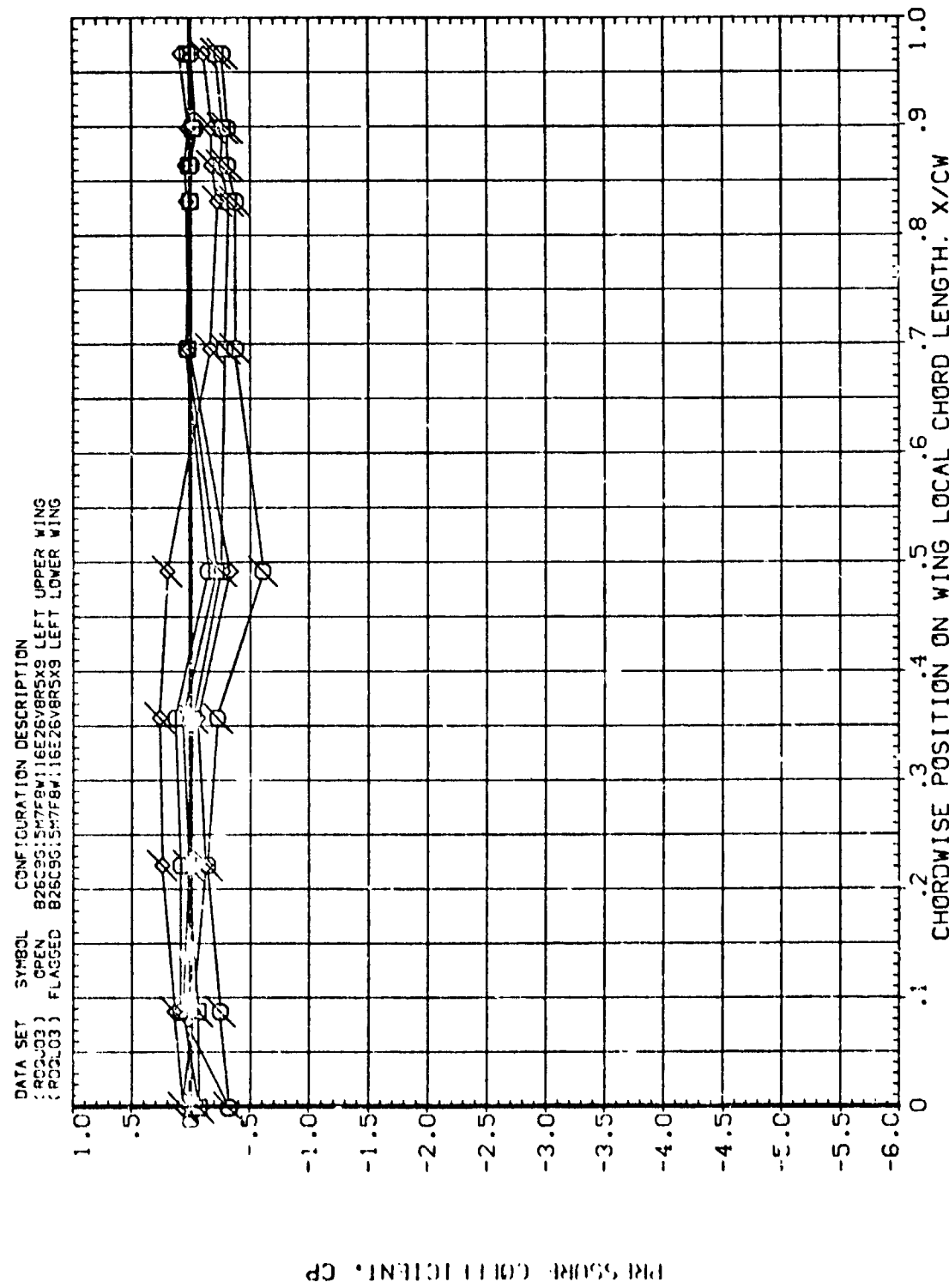


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

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SYMBOL ALPHA
 10.090
 13.190
 16.220

1/BV BETA
 .299 -10.060

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

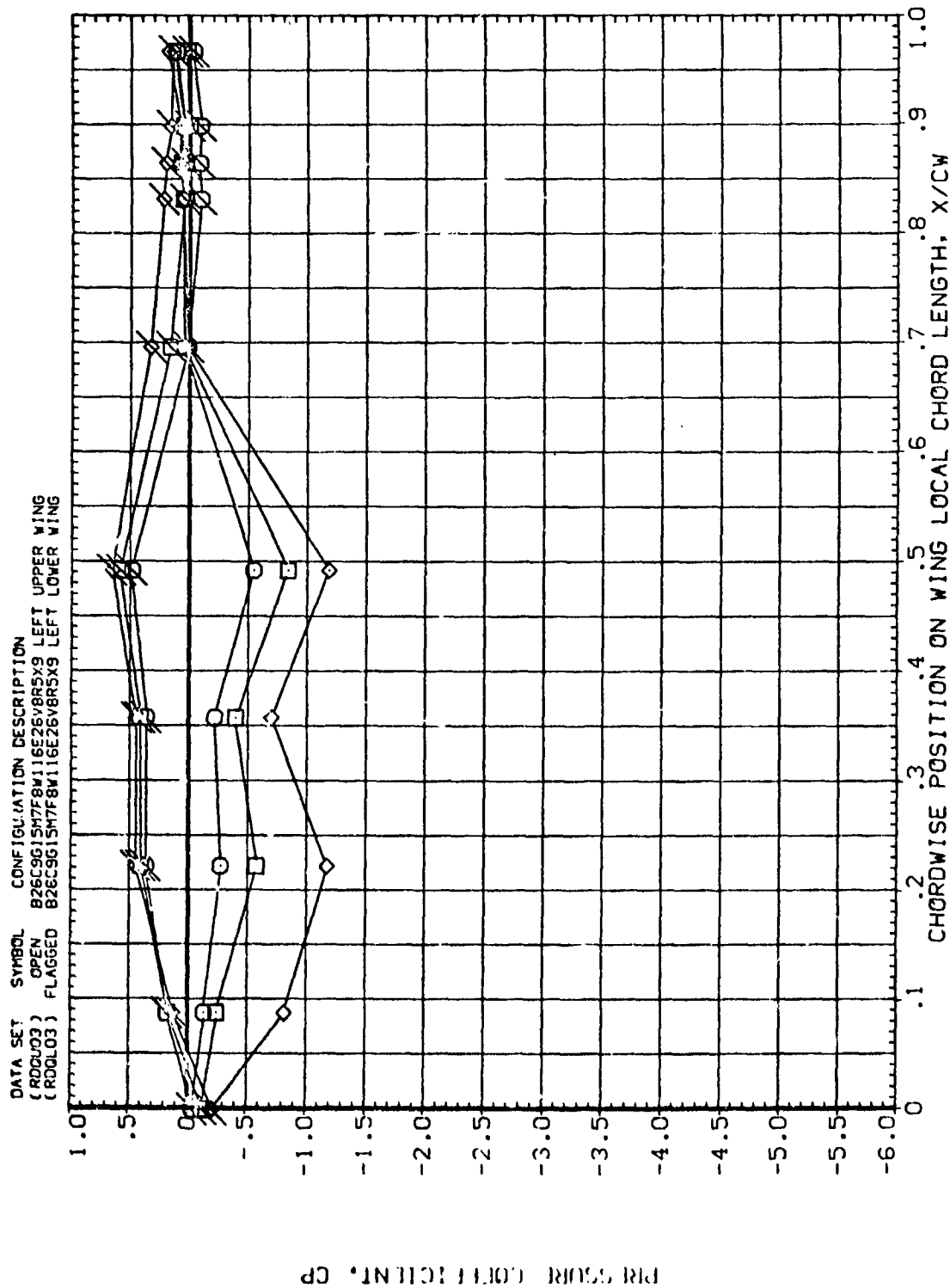


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL ALPHA Y/BV BETA
 -2.980 .352 -10.060
 .020
 5.020

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

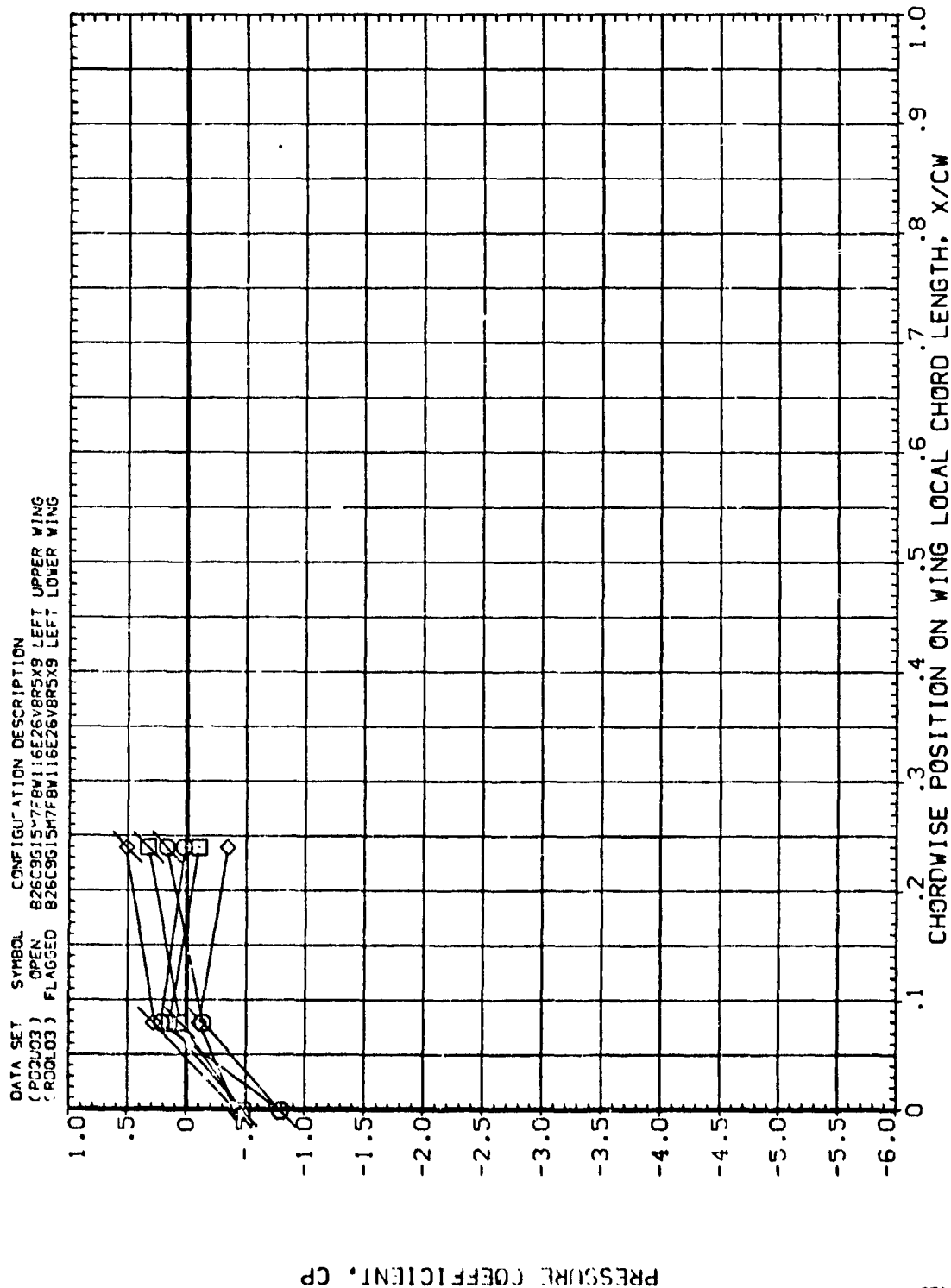


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

SYMBOL

ALPHA
10.090
13.190
16.220

Y/BV BETA
.352 -10.060

PARAMETRIC VALUES
ELEVON .000 RUDDER .C20
BDFLAP -14.250 BETA -10.000

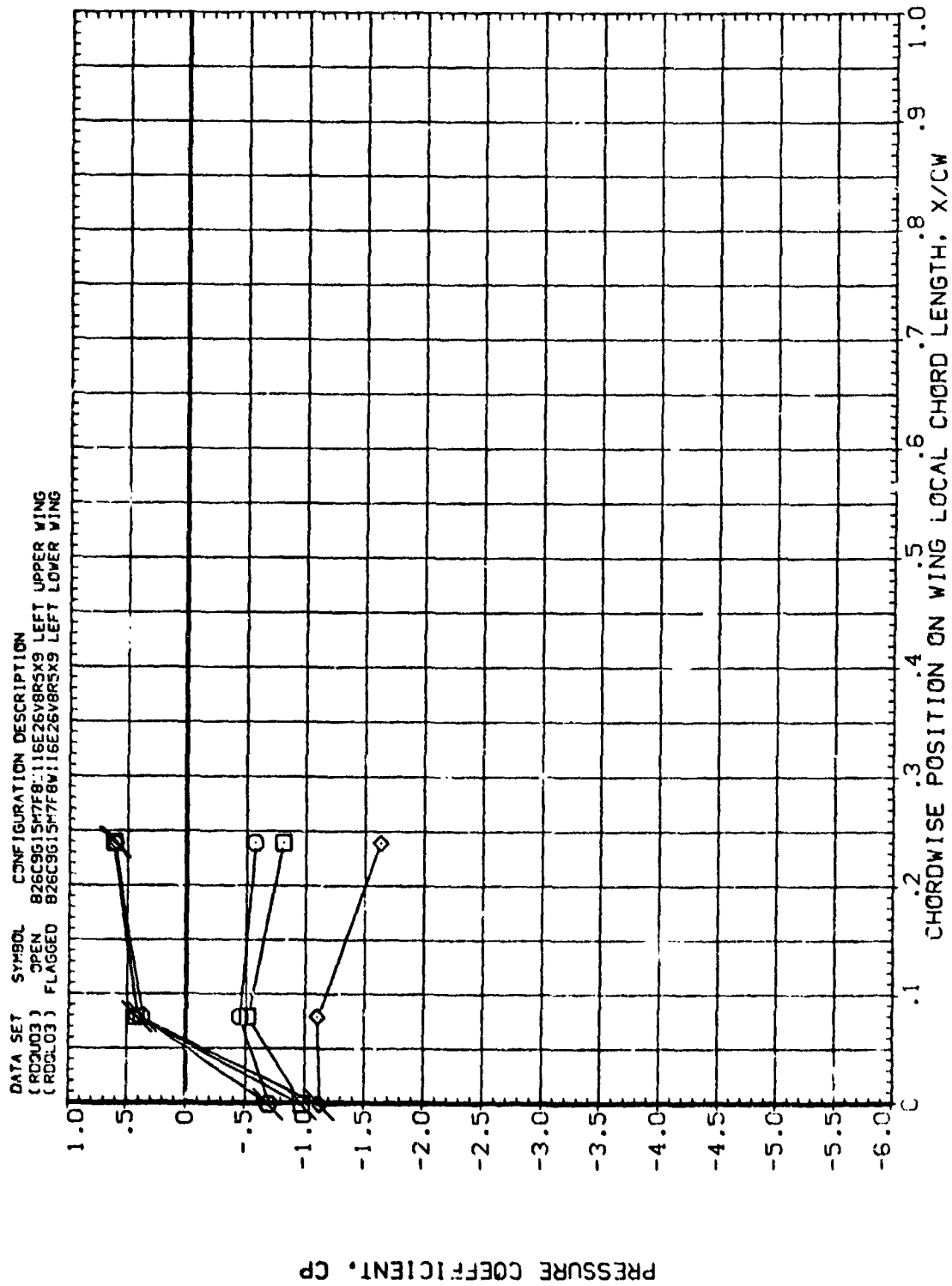


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10
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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.990	.405	-10.060	BDFLAP	.000 RUDC2P
□	.020				-14.250 BETA
◇	5.020				-10.000

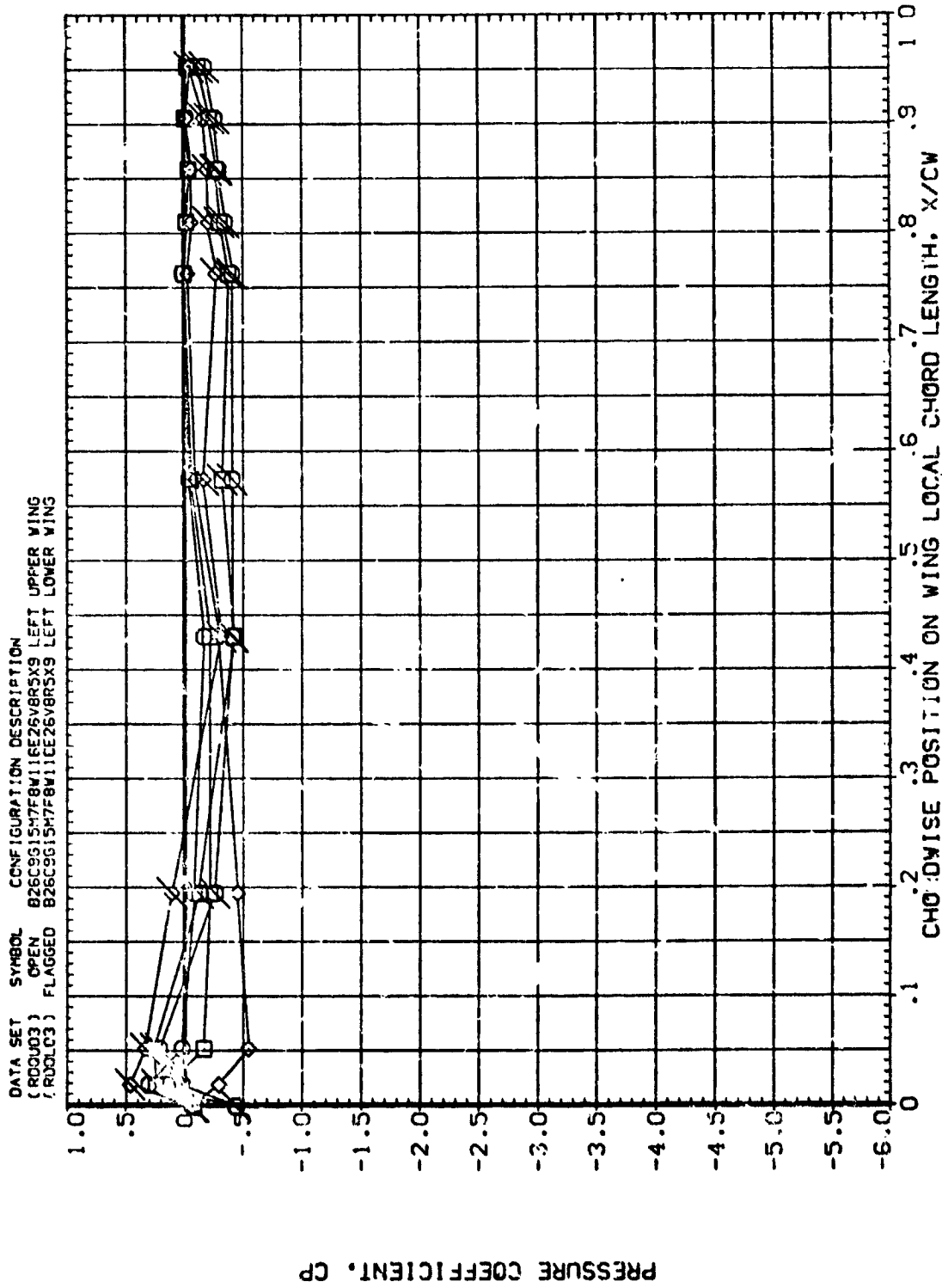


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL ALPHA Y/BV BETA
 ○ 10.090 .405 -10.060
 □ 13.190
 ◇ 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RDOJ03) OPEN B26C9G1547F8V116E26V8R5X9 LEFT UPPER WING
 (RDOJ03) FLAGGED B26C9G1547F8V116E26V8R5X9 LEFT LOWER WING

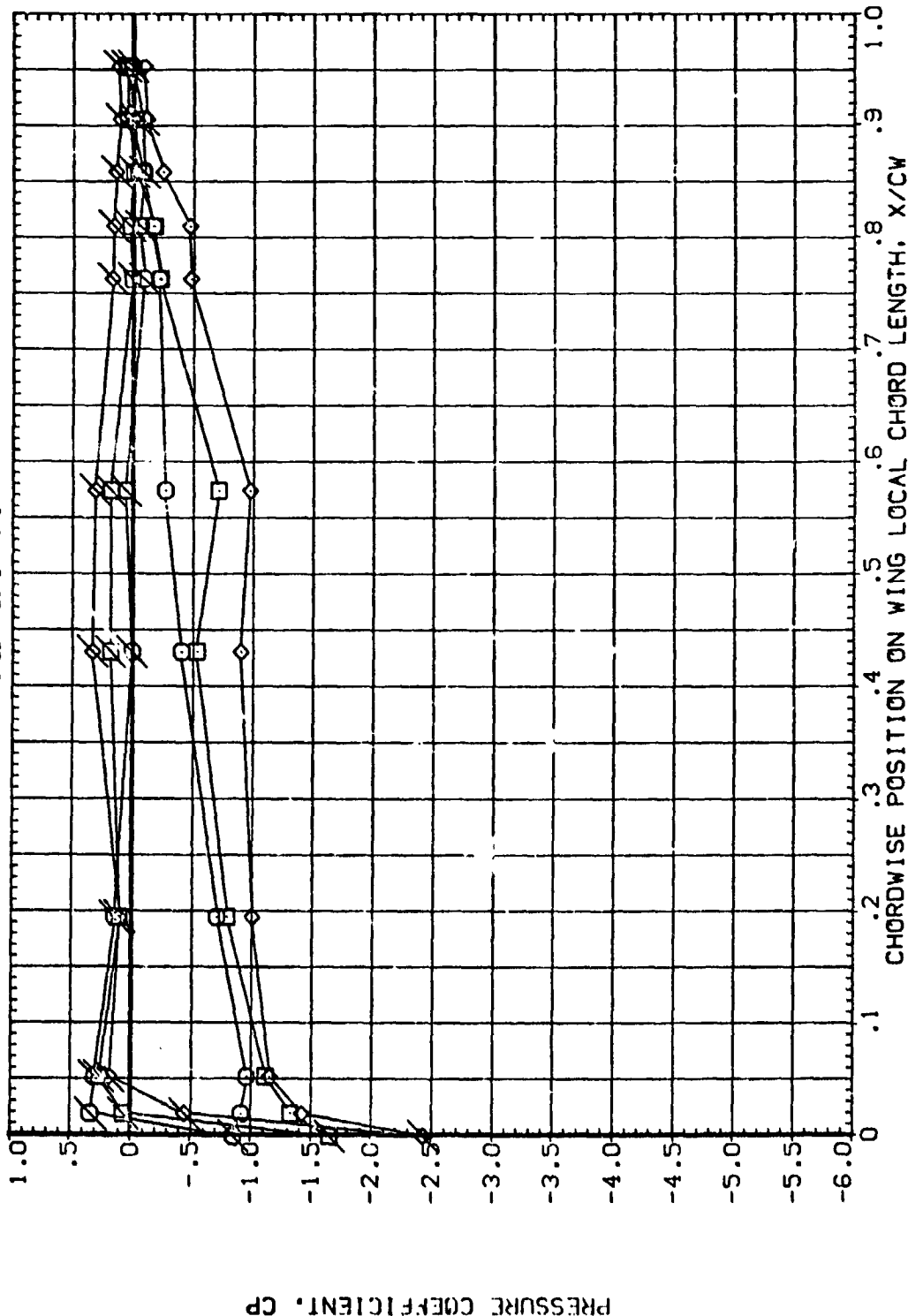


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL ALPHA Y/BV BETA ELEVON BDFLAP PARAMETRIC VALUES
 -2.980 .534 -10.060 .000 RUDDER .000
 .020 -14.250 BETA -10.000
 5.020

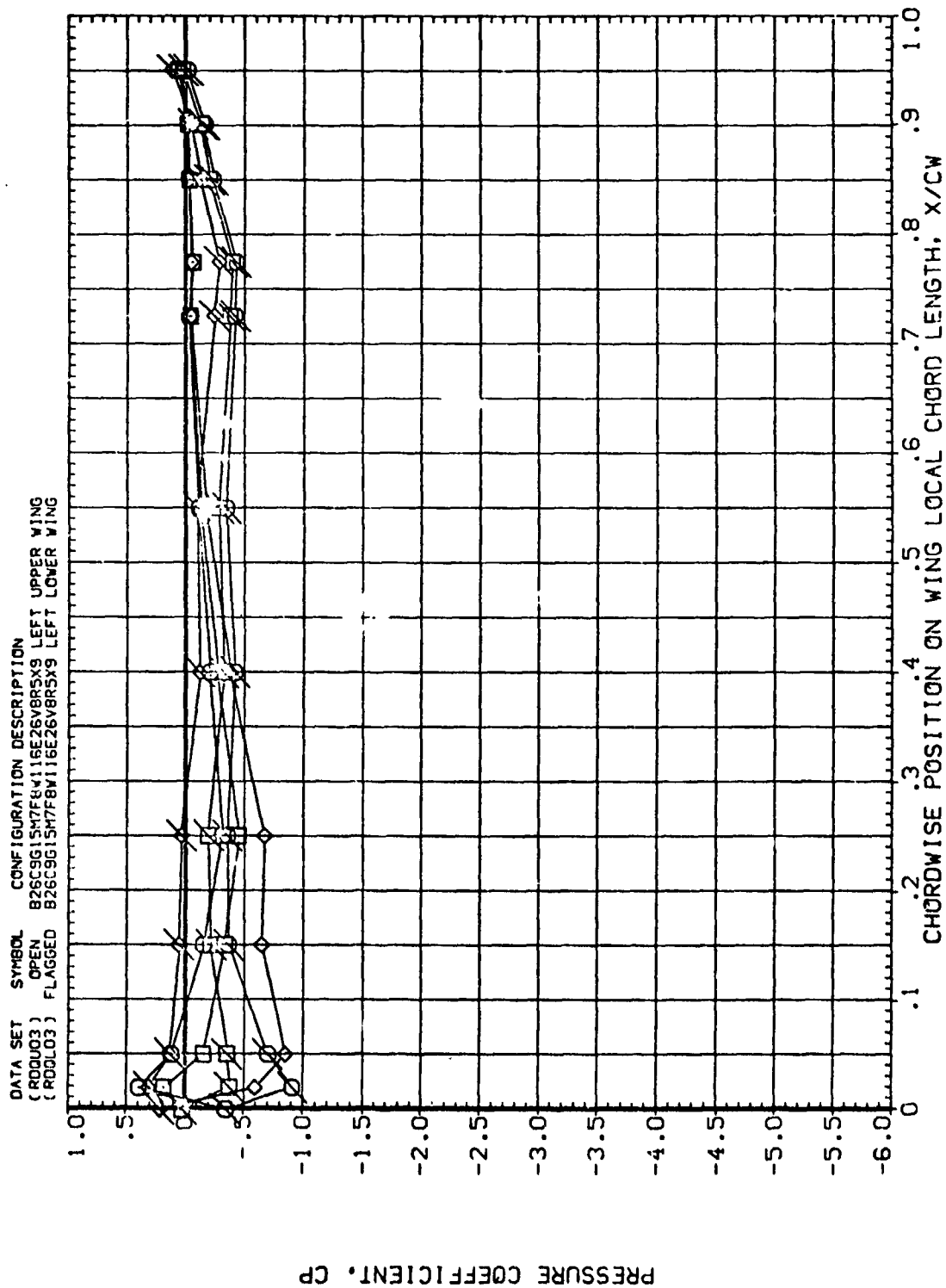


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

S⁹²L ALPHA Y/BW BETA
 10.090 .534 -10.060
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOFLAP -14.250 BETA -10.000

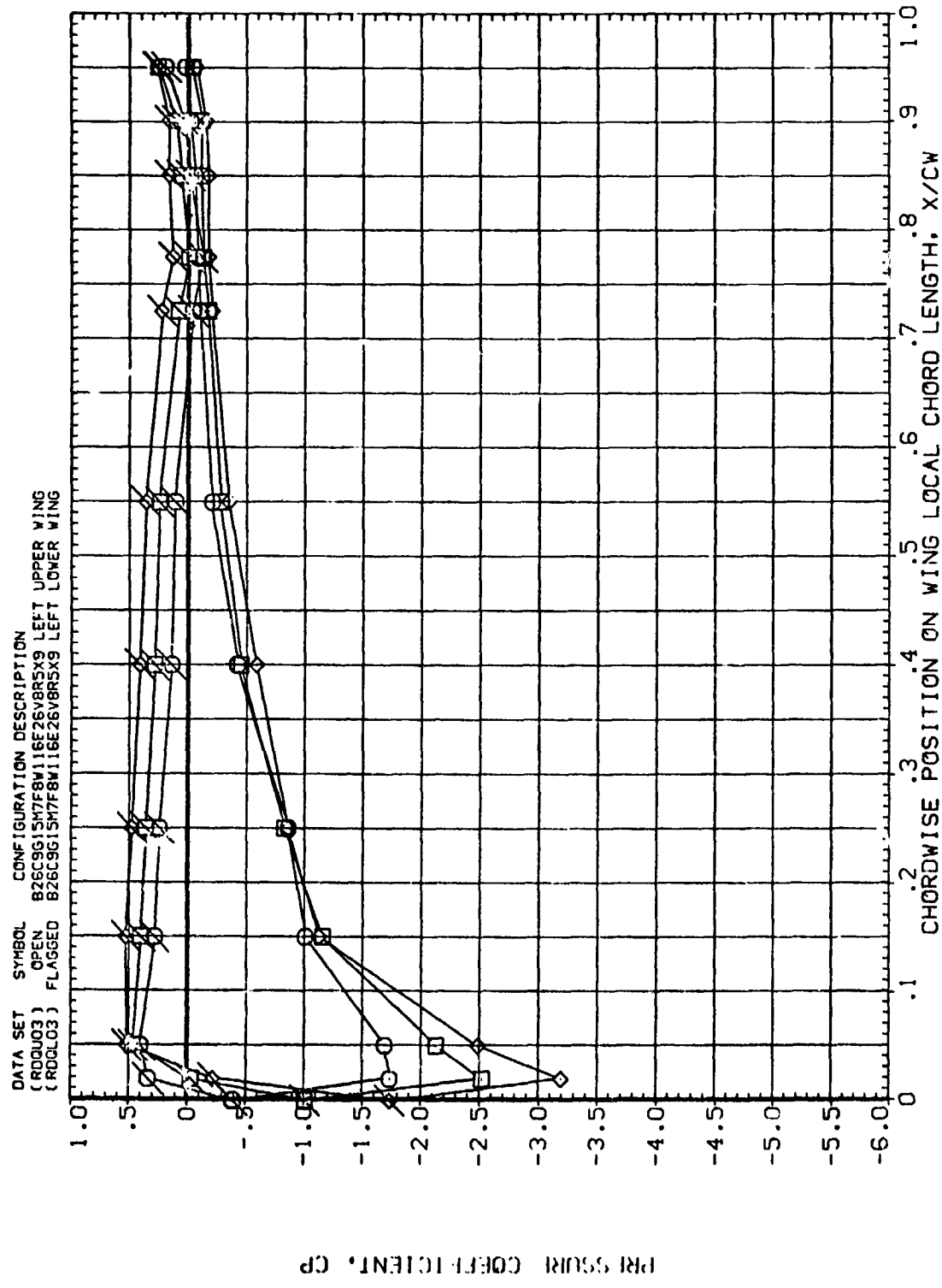


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.980	.673	-10.060	BDFLAP	.000
◇	.020				-14.250
◇	5.020				BETA
					-10.000

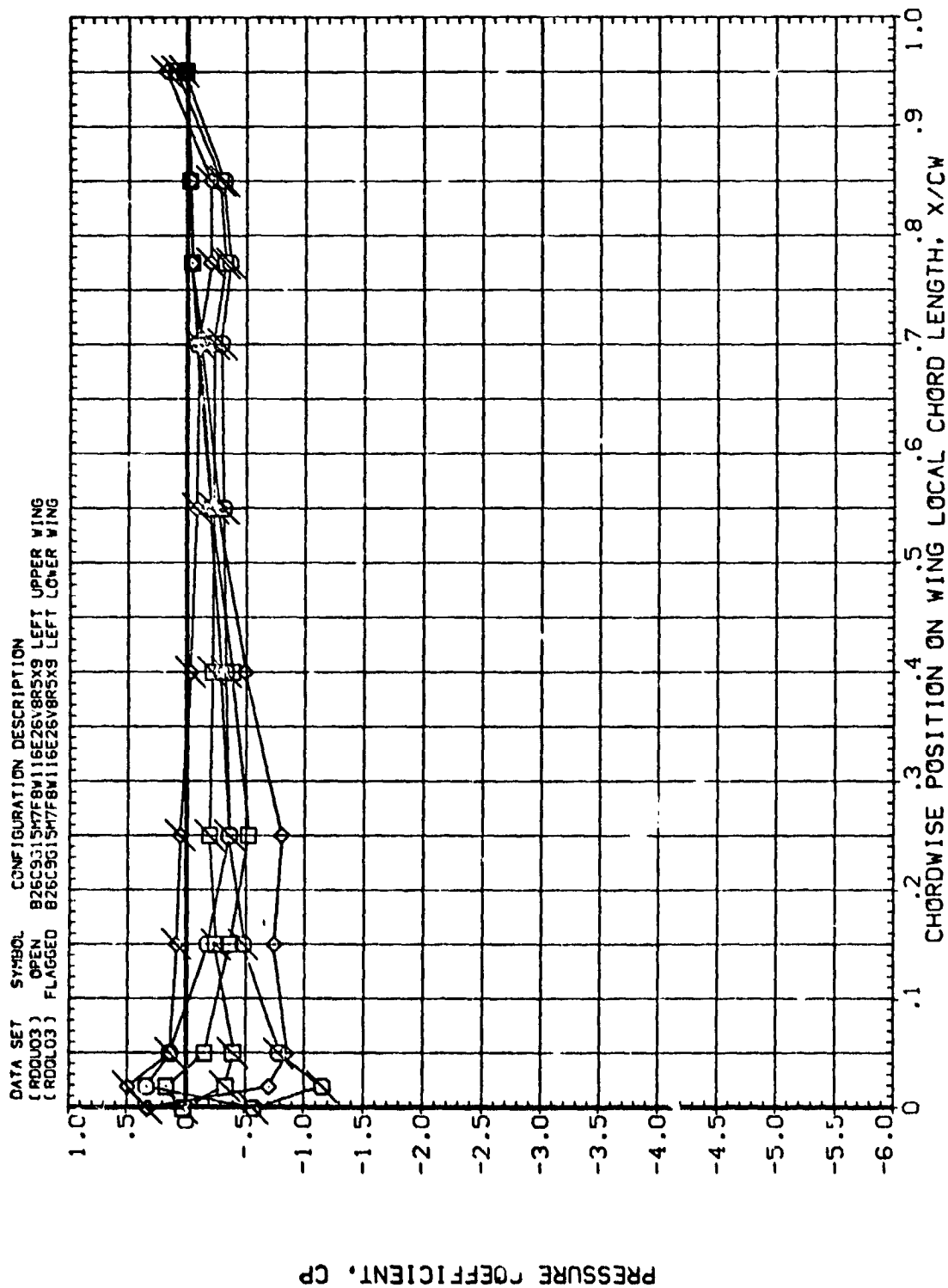


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	1/8M	BETA	ELEVON	PARAMETRIC VALUES
□	10.090	.673	-10.060	BDFLAP	.000 RUDDER
◇	13.190				-14.250 BETA
	16.220				-10.000

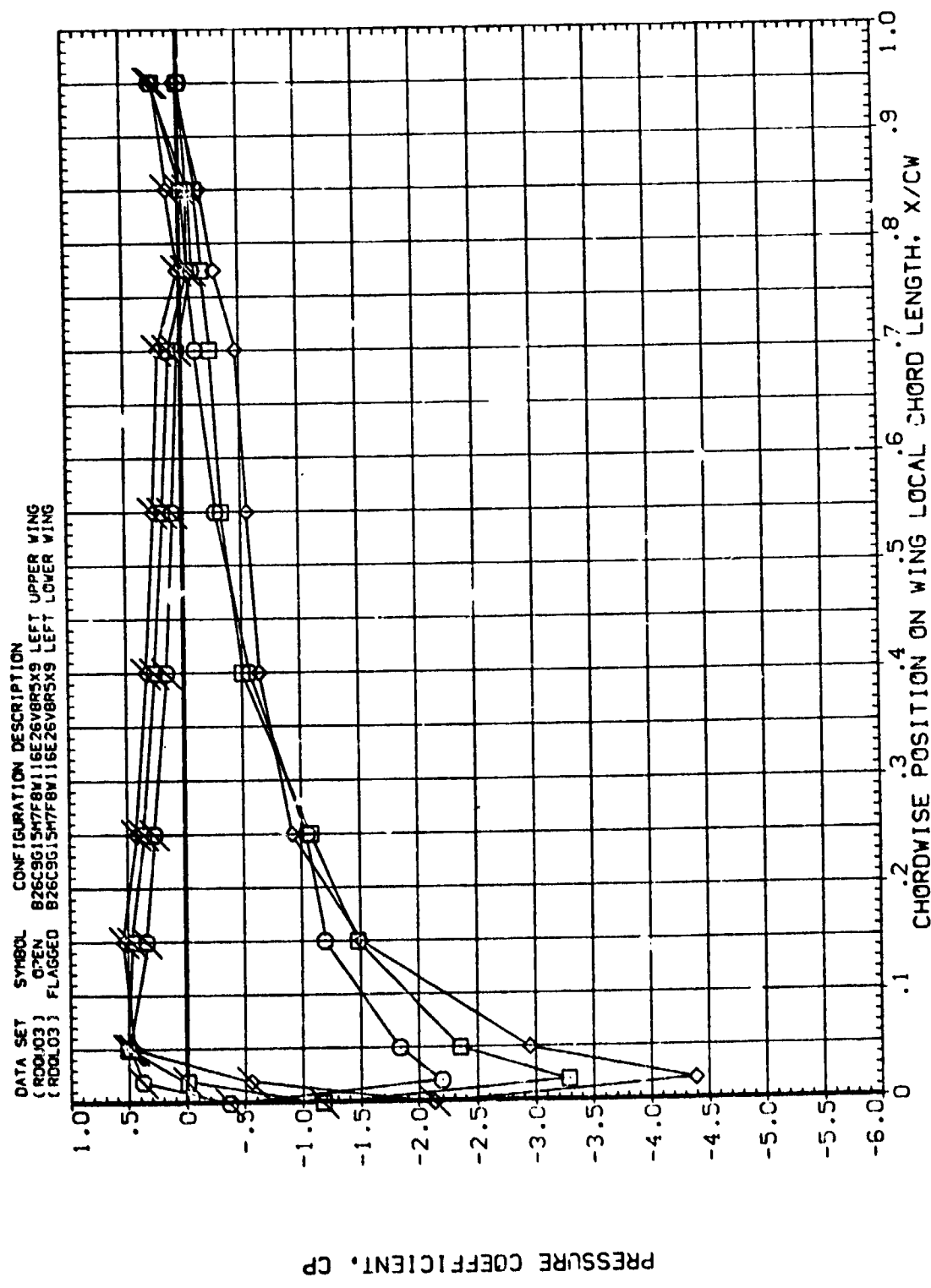


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
○	-2.983	.783	-10.060	.000		RUDDER .000
□	.020			-14.250		BETA -10.000
◇	5.020					

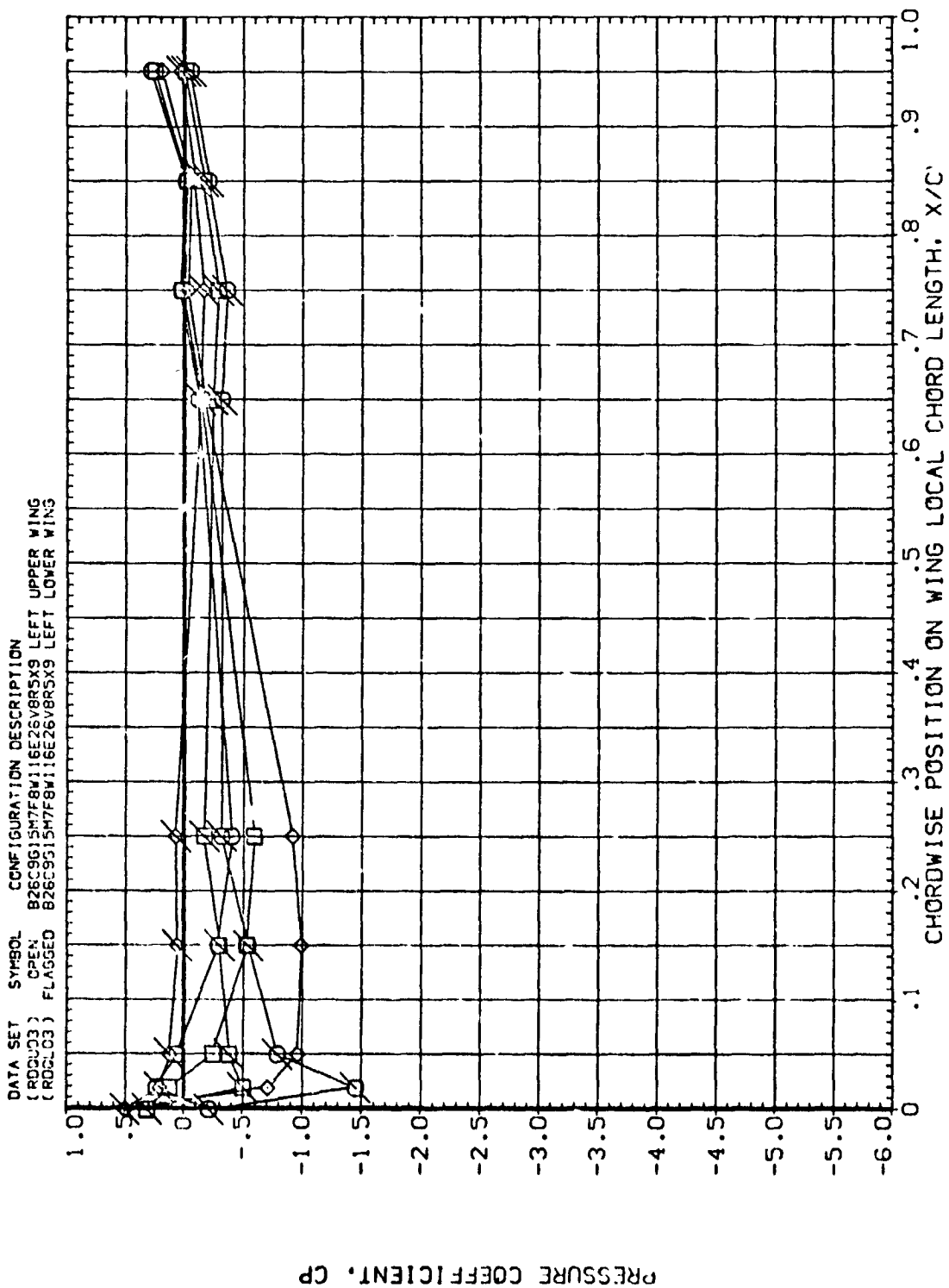


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

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ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/B ₄	BETA	PARAMETRIC VALUES		
				ELEVON	.000	.000
	10.090	.780	-10.060	BOFLAP	-14.250	BETA
	13.190					
	16.220					

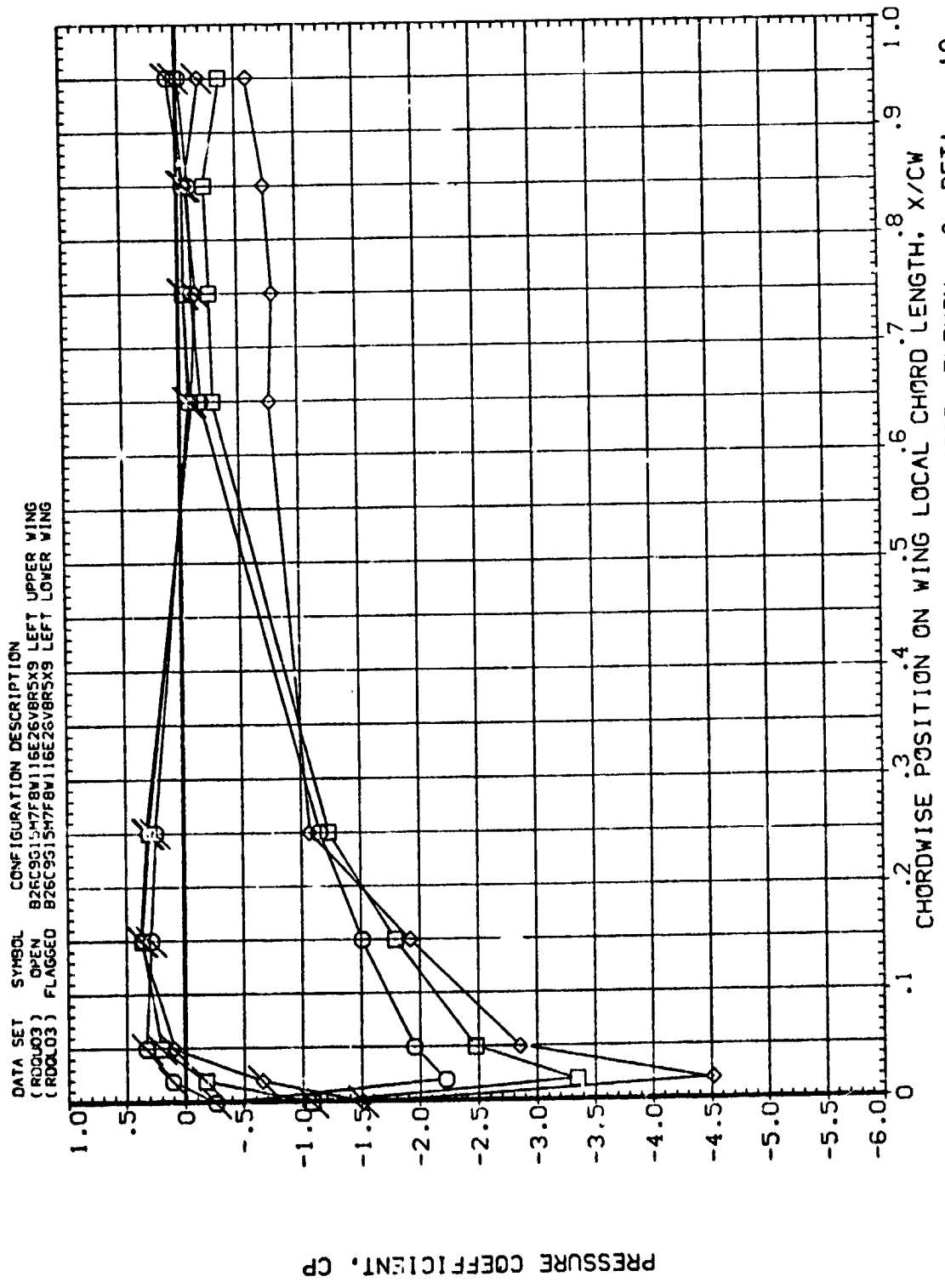


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

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SYMBOL	ALPHA	γ/β	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	-2.980	.887	-10.060	.000	-14.250	RUDDER .000
◇	.020					BETA -10.000
◇	5.020					

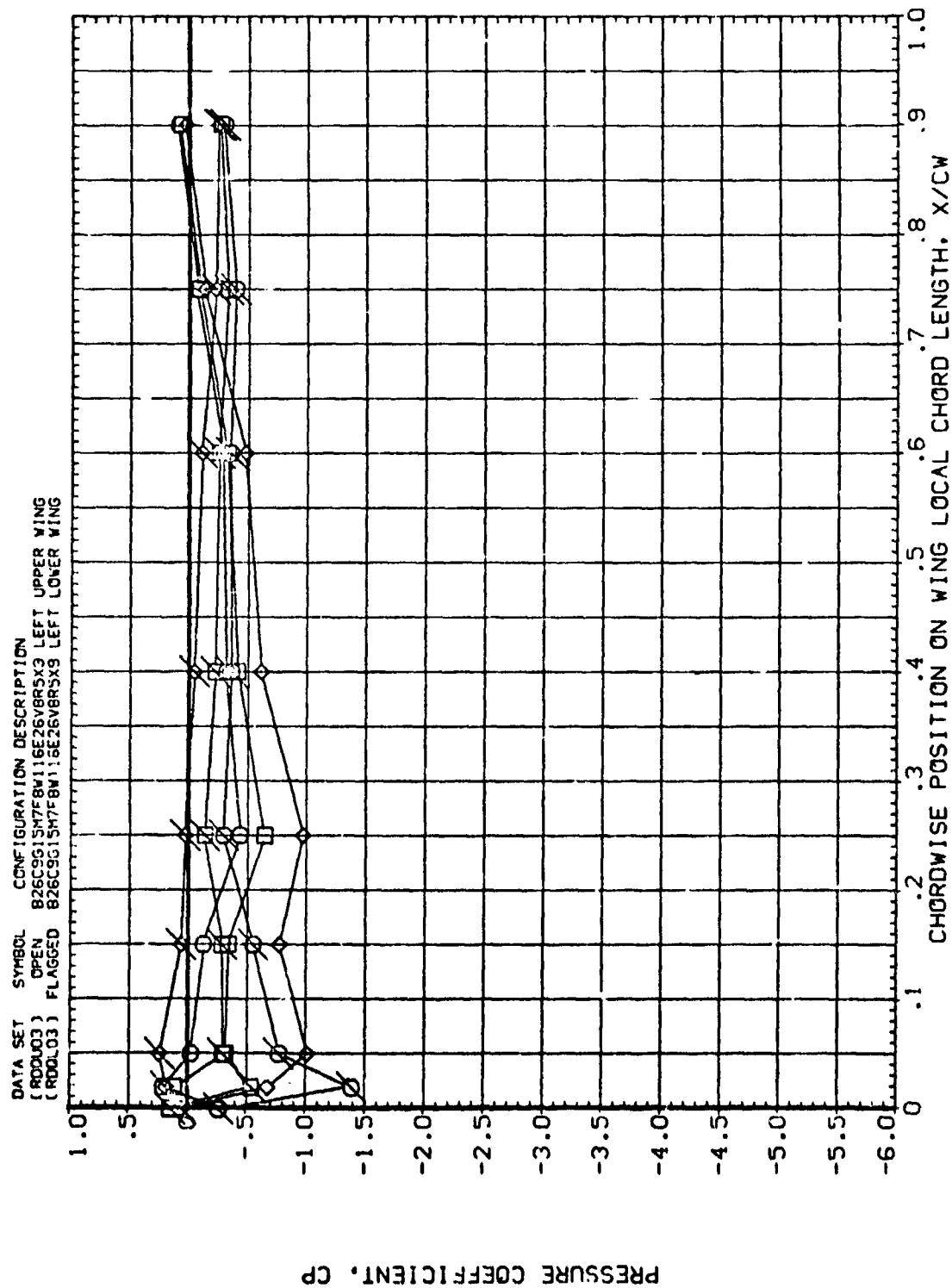


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
○	10.090	.887	-10.060	ELEVON	.000	.000
□	13.190			BDFLAP	-14.250	BETA
◇	16.220					-10.000

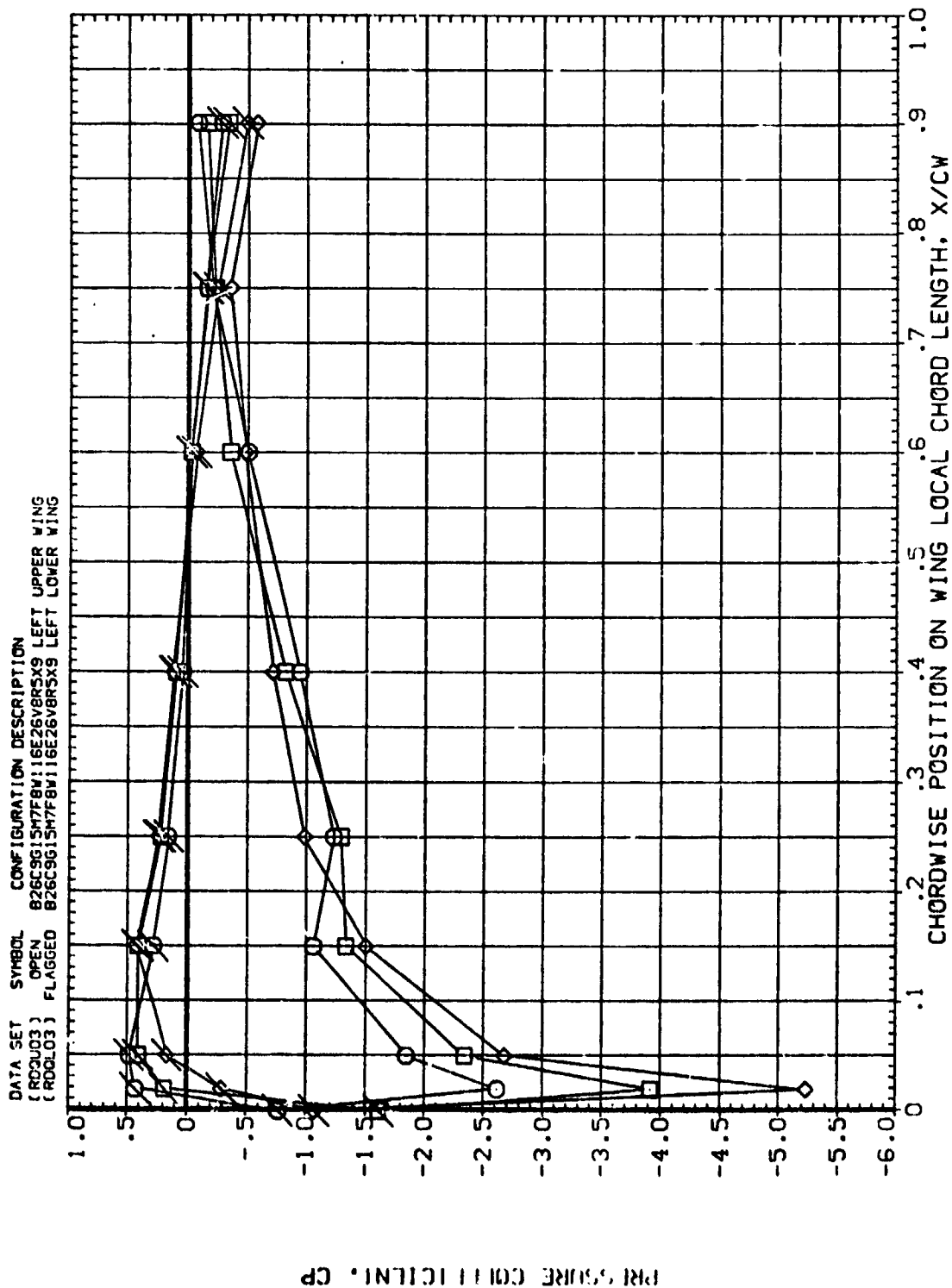


FIG. 25 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
○	-2.950	.299	-.010	.000	.000	.000
◇	.050			-14.250	BETA	.000
◇	5.030					

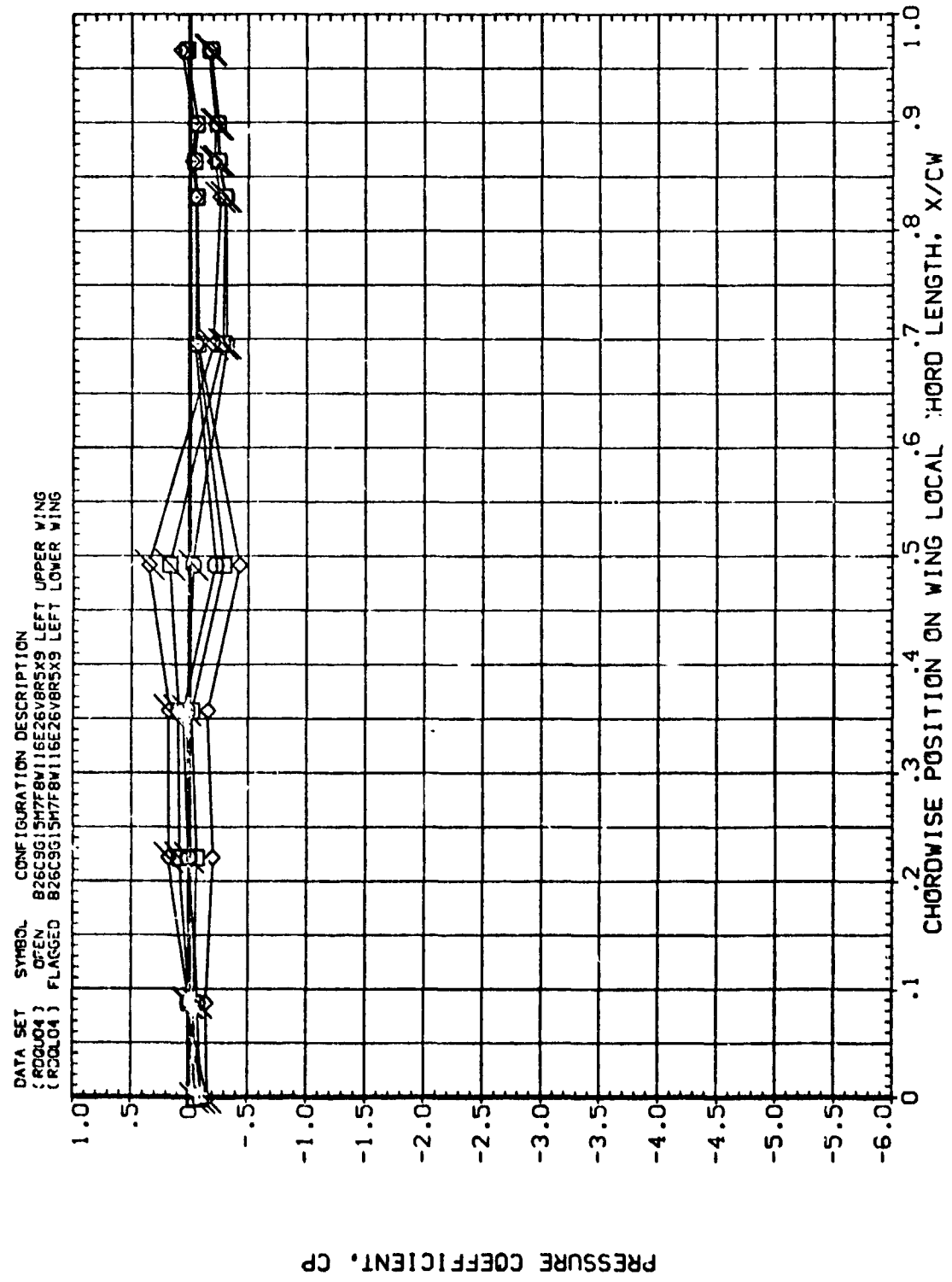


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.100	.299	-.010	BOFLAP	.000 RUDDER
◇	13.220				-14.250 BETA
◇	16.240				.000

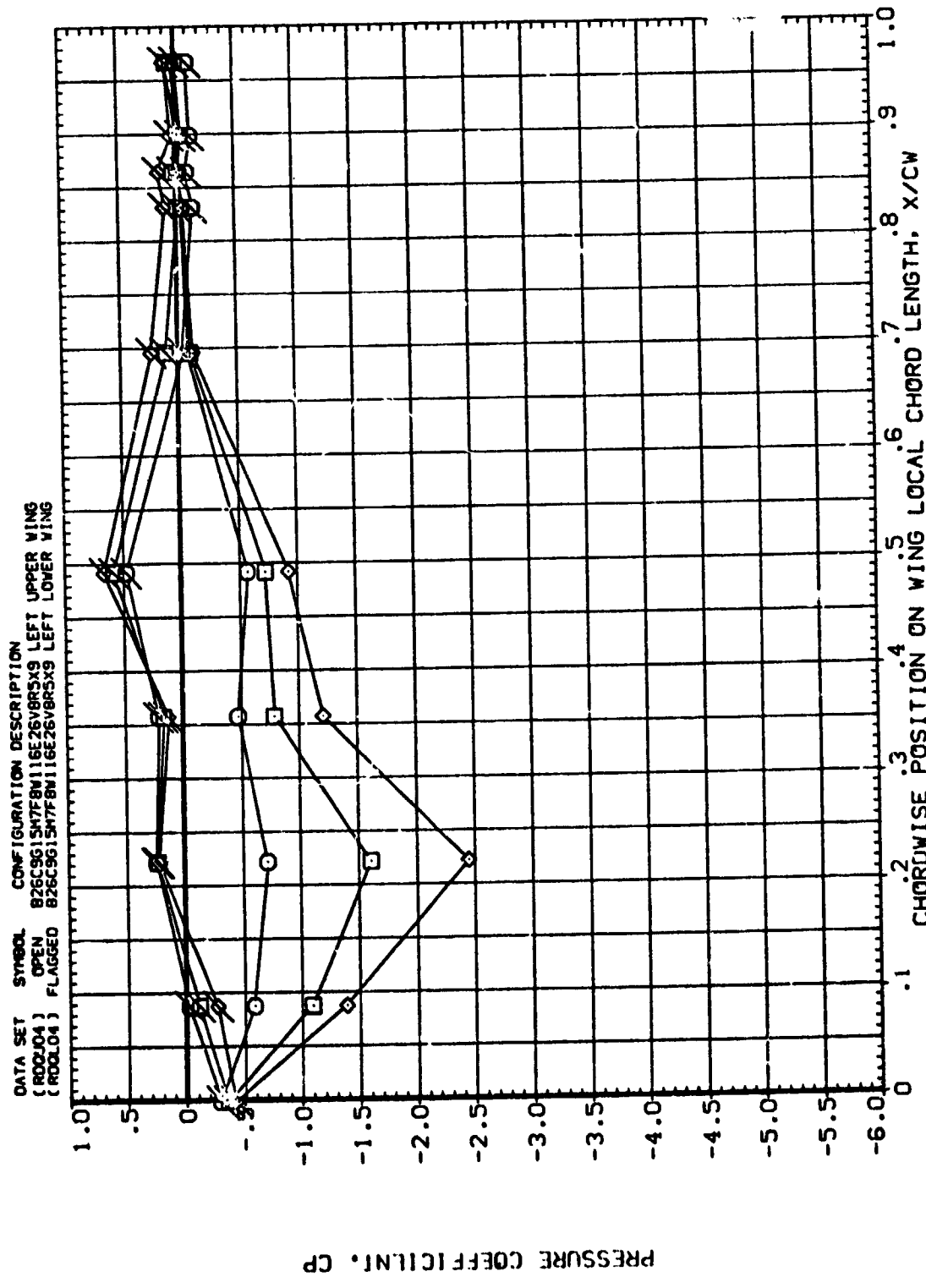


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.950	.352	-0.010	BDFLAP	.000
◇	.050				-14.250
	5.030				BETA
					.000

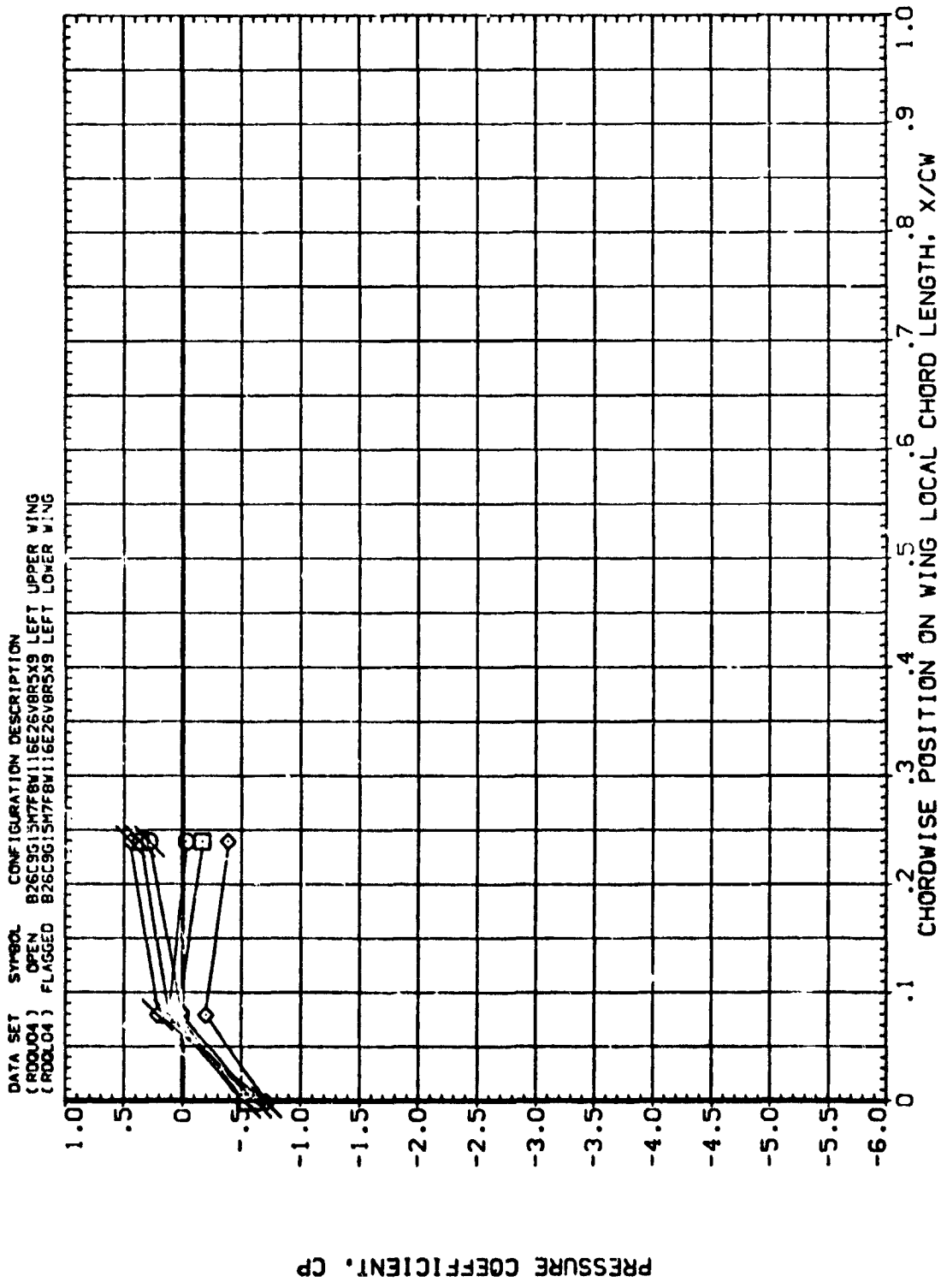


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.352	-.010	RDFLAP	.000 RUDDER
□	13.220				-14.250 BETA
◇	16.240				.000

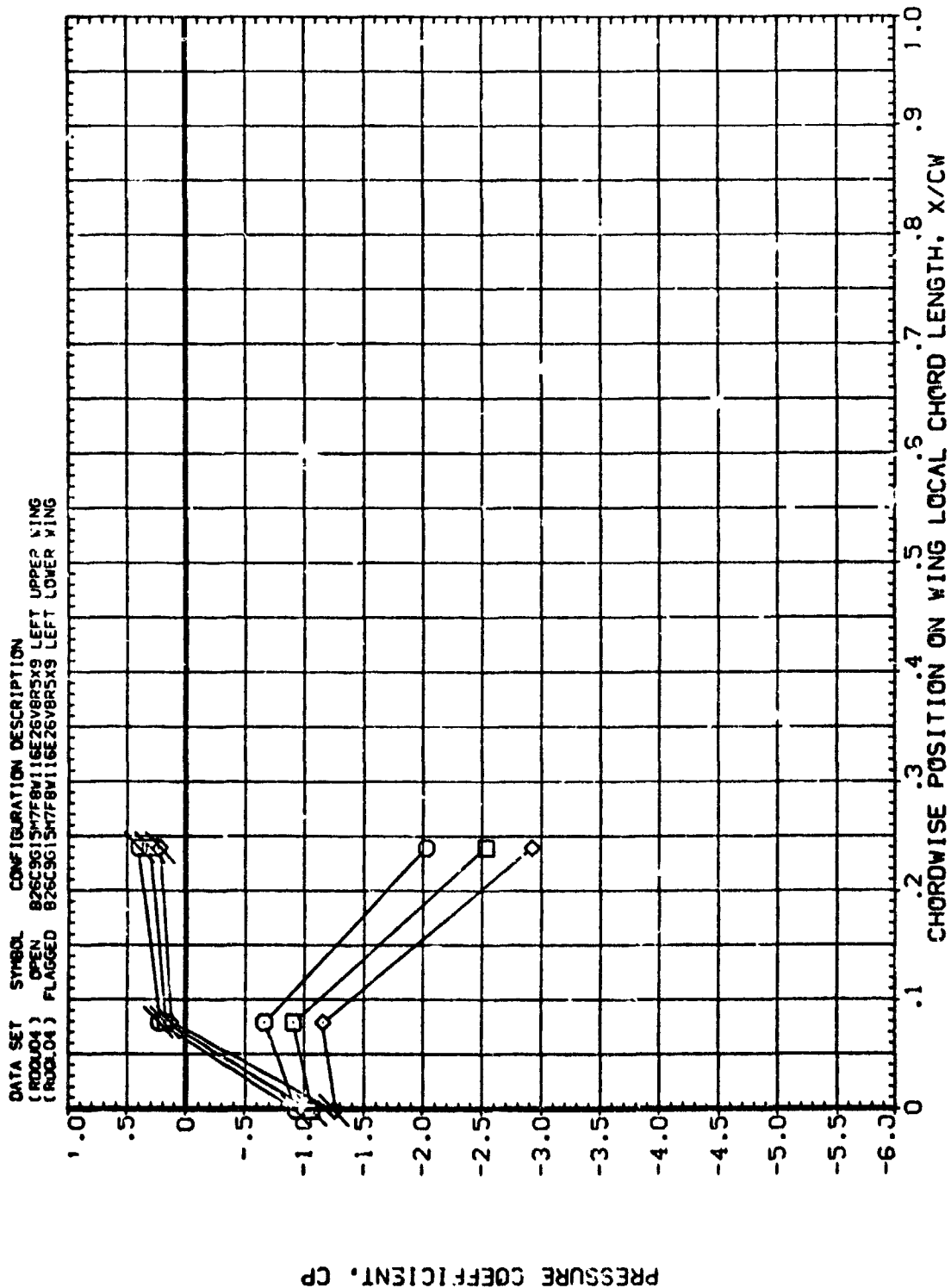


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.950	.405	-0.010	BDCLAP	.000 RUDDER
□	.050				-14.250 BETA
◇	5.030				.000

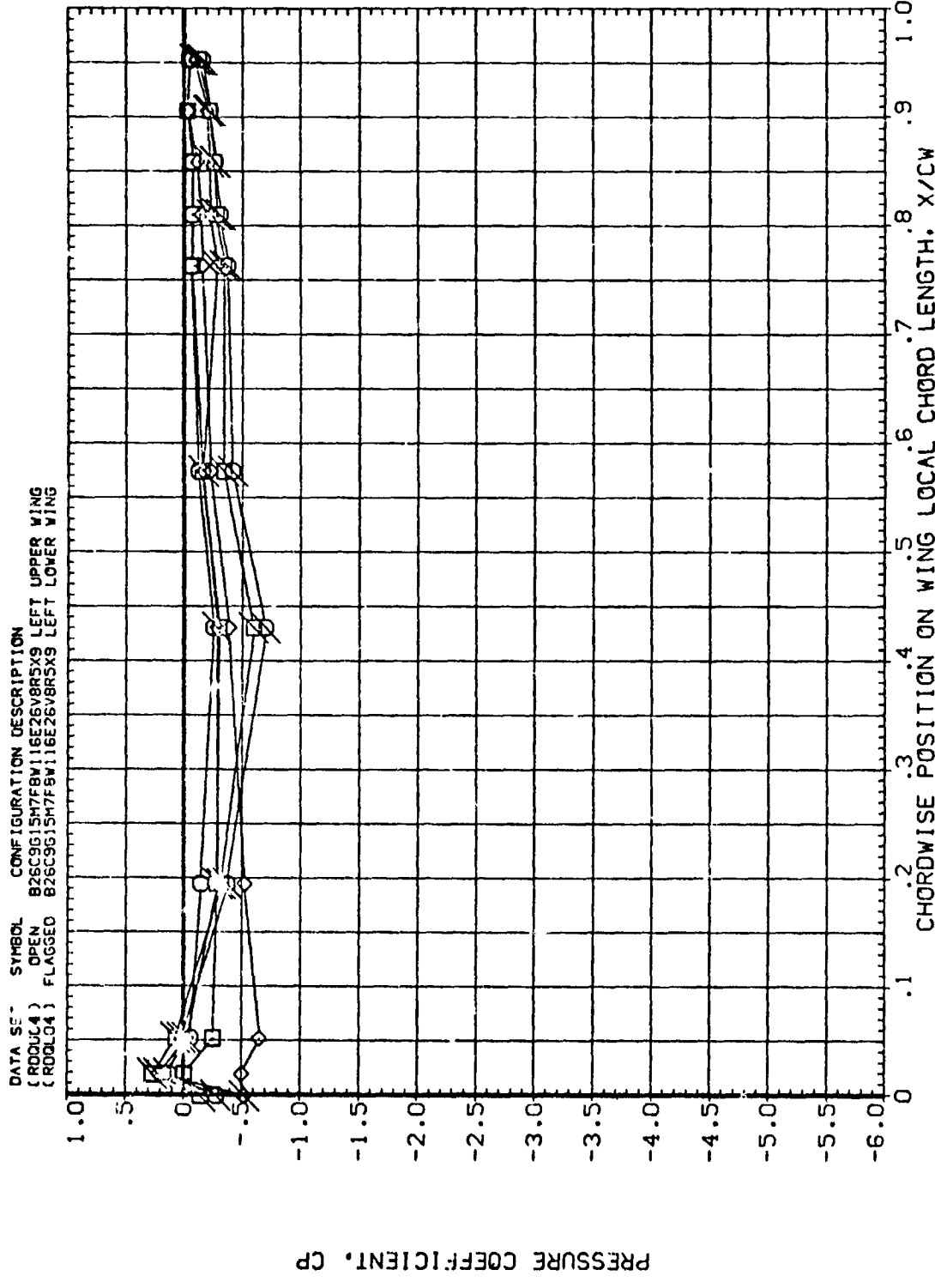


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = C BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.405	-.010	BDFLAP	.000 RUDDER .000
□	13.220				-14.250 BETA
◇	16.240				

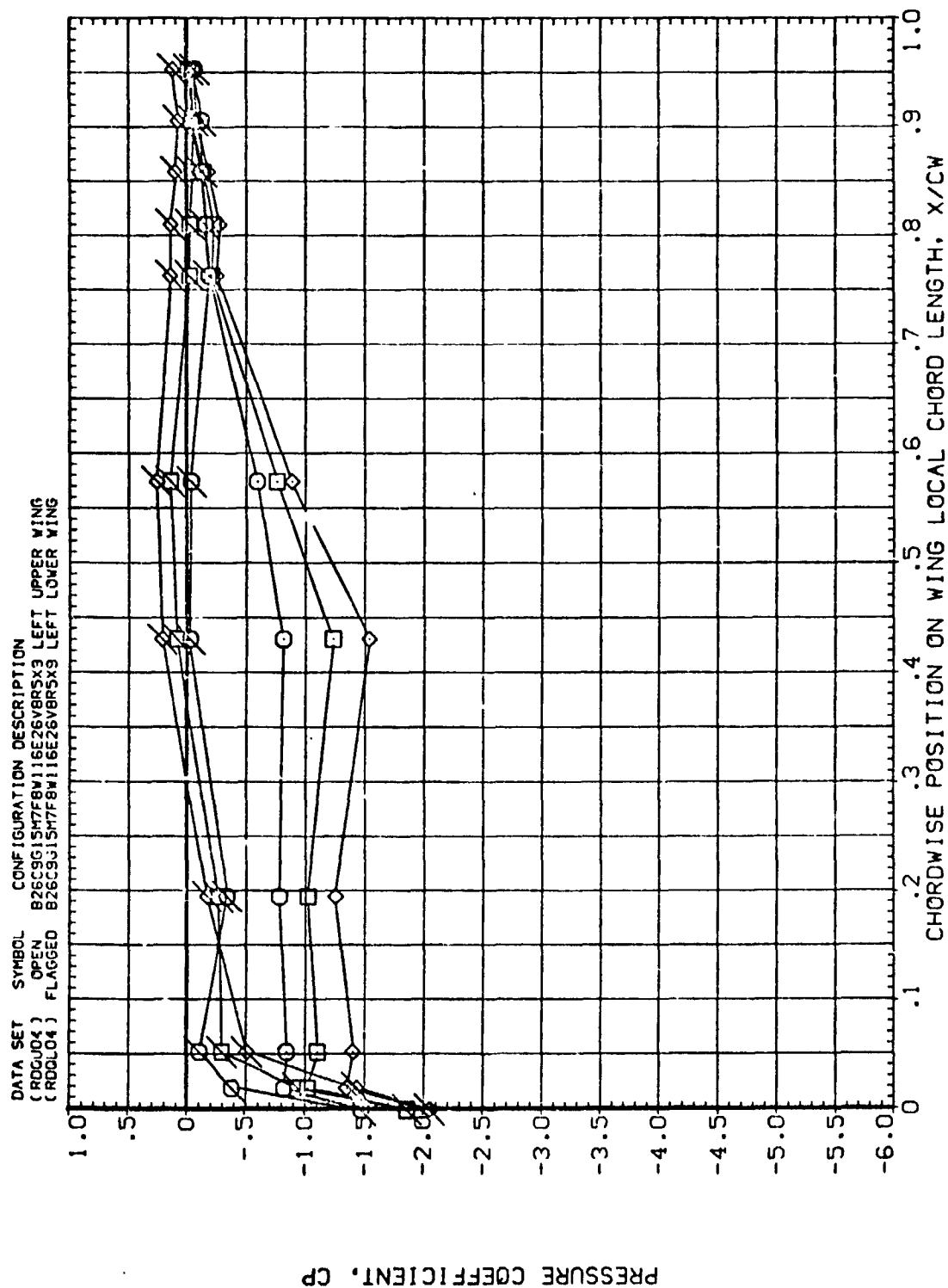


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	-2.950	.534	-.010	.000	.000	RUDDER
□	.050			.000	.000	BETA
◇	5.030					

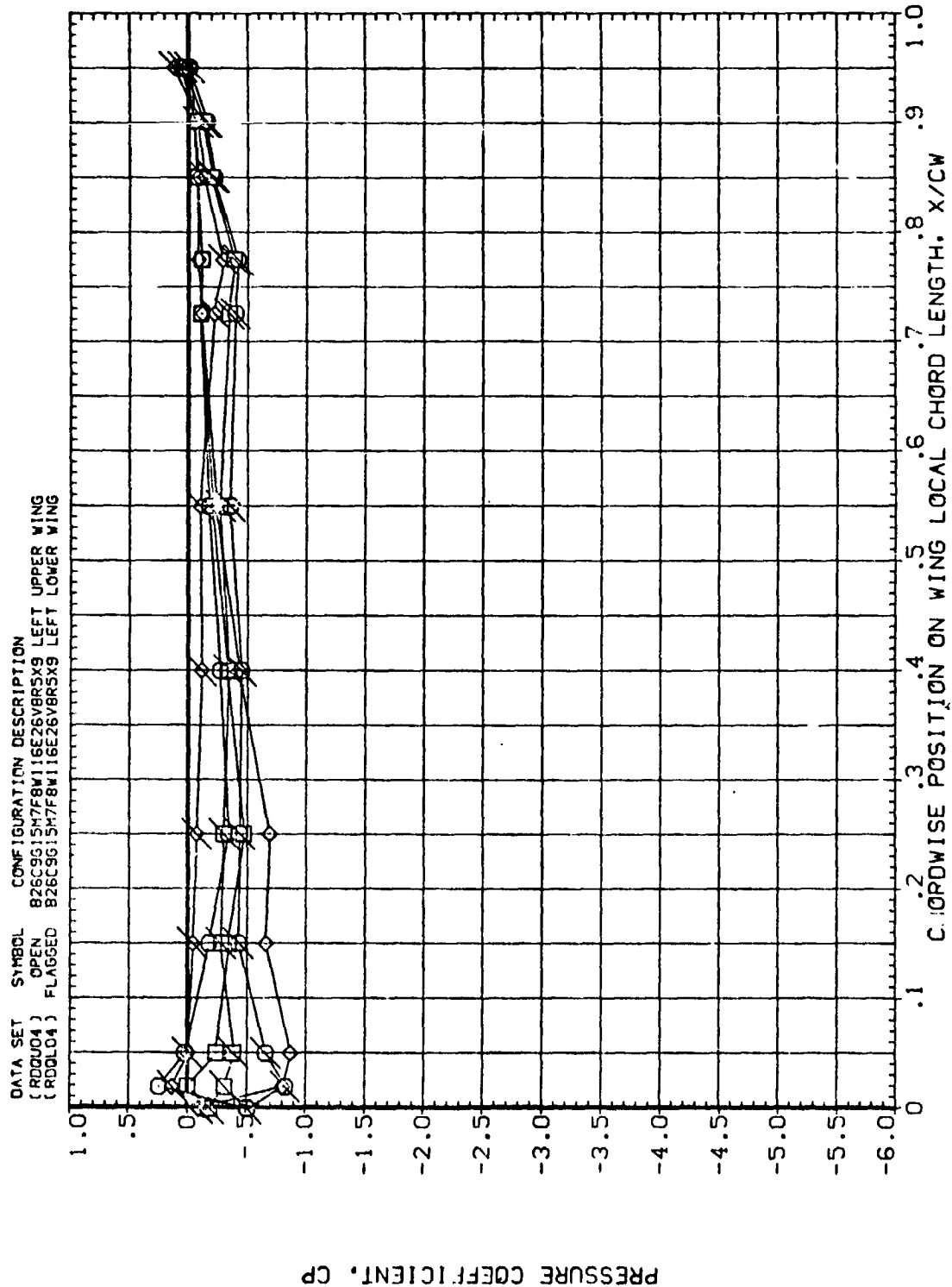


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

PARAMETRIC VALUES
ELEVON .000 RUDDER .000
SCFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BV BETA
○ 10.100 .534 -.010
□ 13.220
◇ 16.240

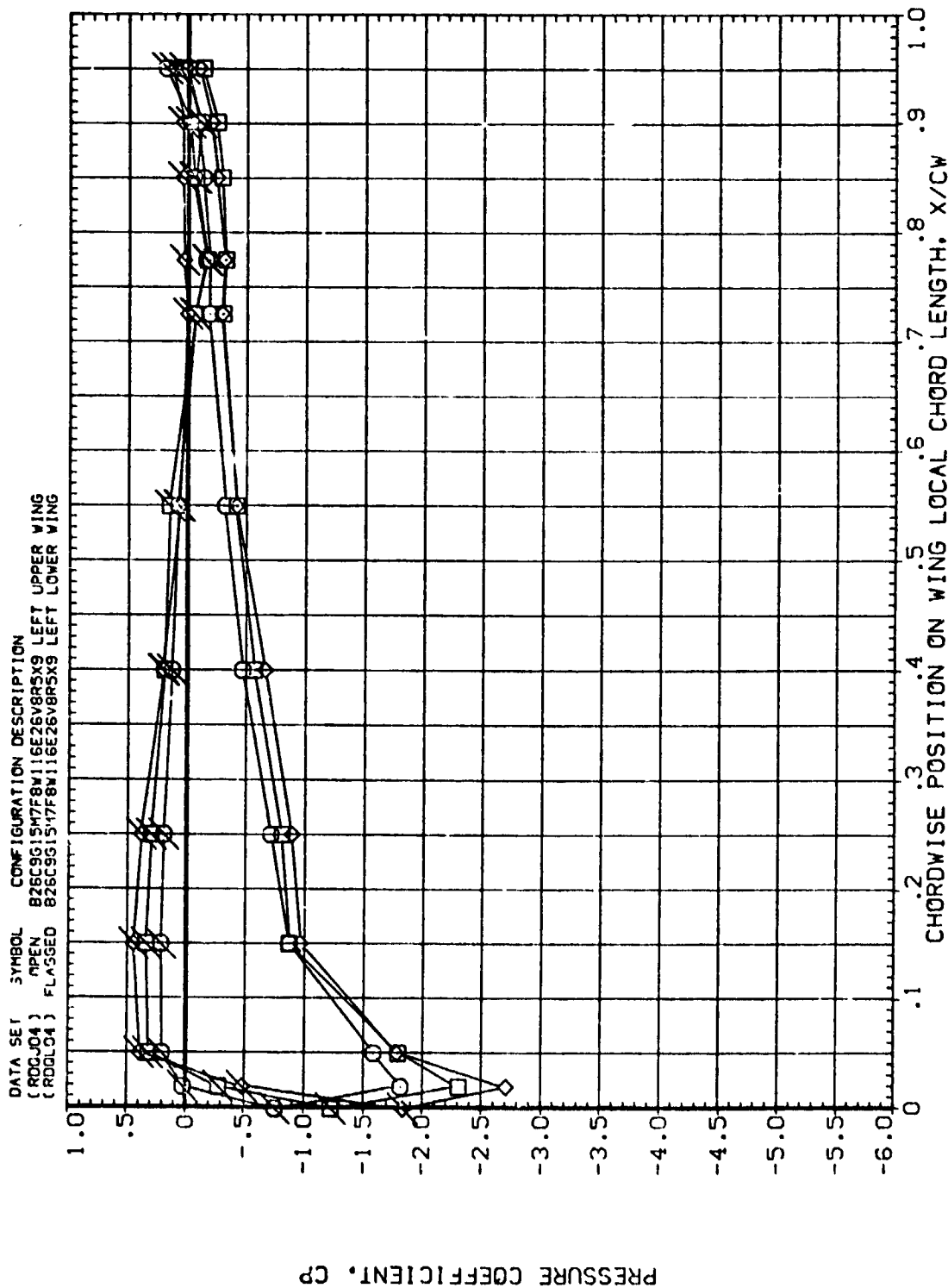


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
□	-2.950	.673	-.010	BDFLAP	.000 RUDDER .000 BETA
◇	5.030				

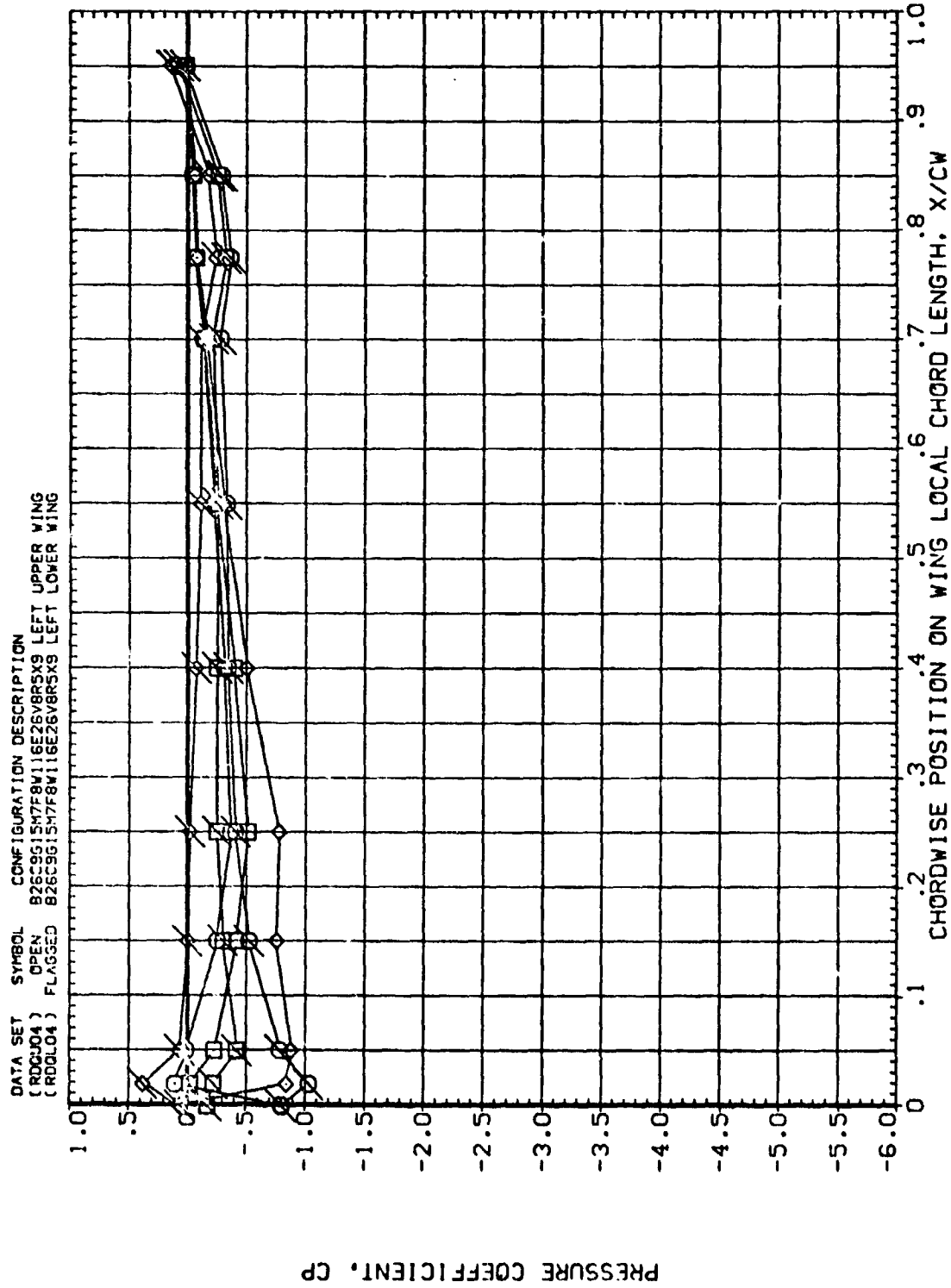


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.100	.673	-.010	BD/FLAP	.000
□	13.220				.000
◇	16.240				

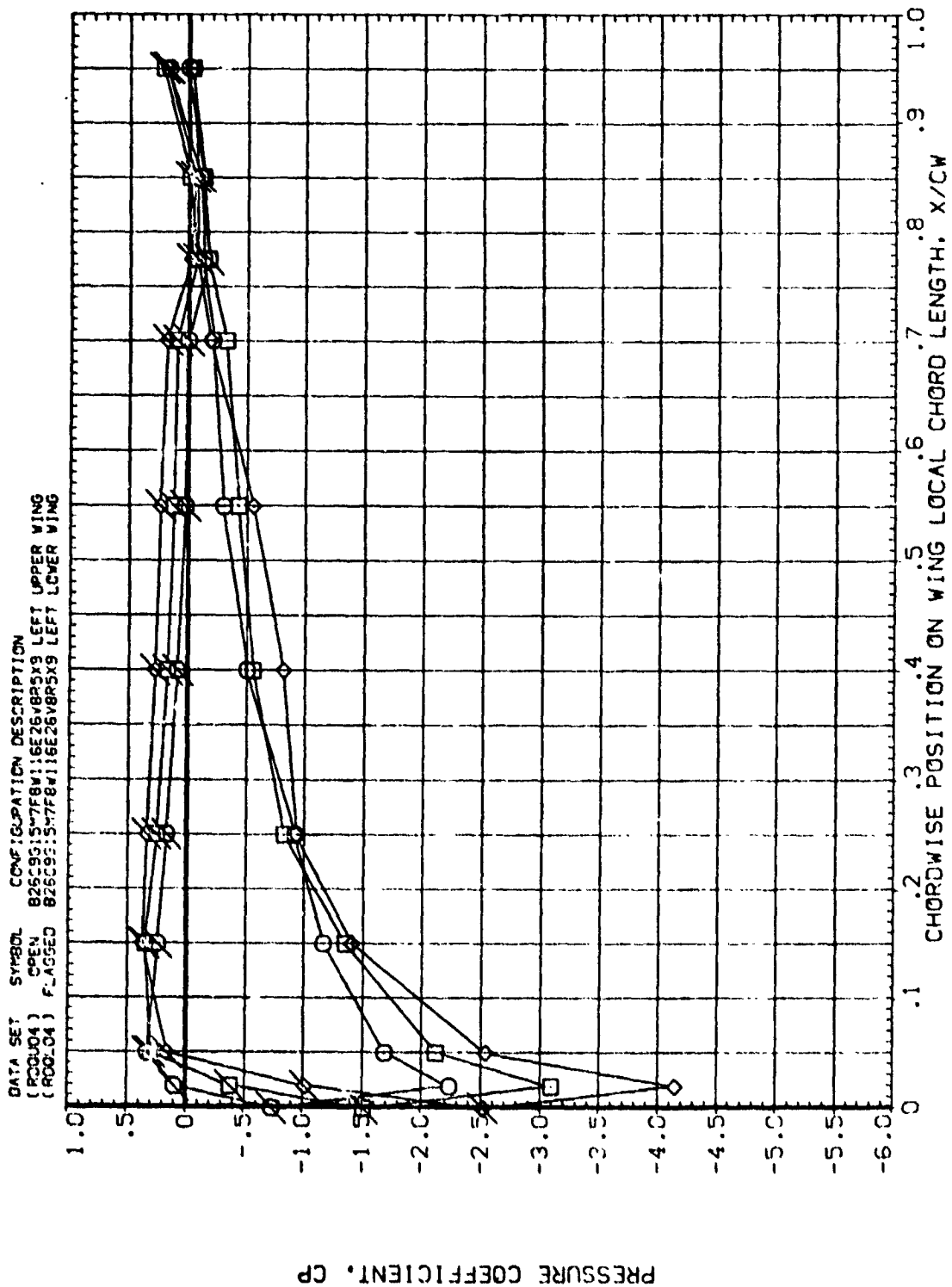


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT. ELEVON = 0, BETA = 0

SYMBOL ALPHA Y/BV BETA
 -2.930 .780 -0.010
 .050
 5.030

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA

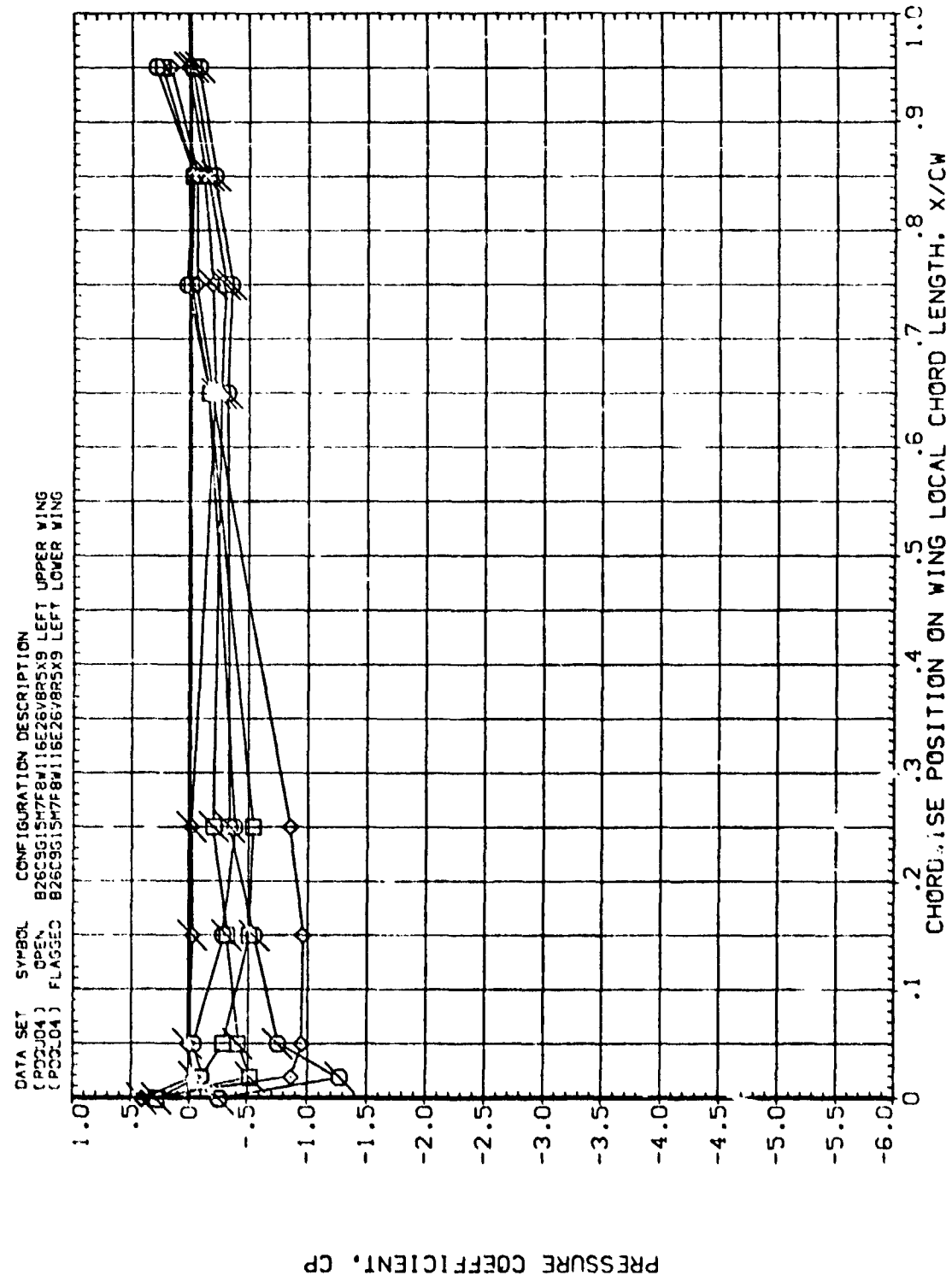


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BE^{TA} = 0

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BY	BETA	PARAMETRIC VALUES	
○	10.100	.780	-.010	ELEVON	.000
□	13.220			BOFLAP	-14.250
◇	16.240			BETA	.000

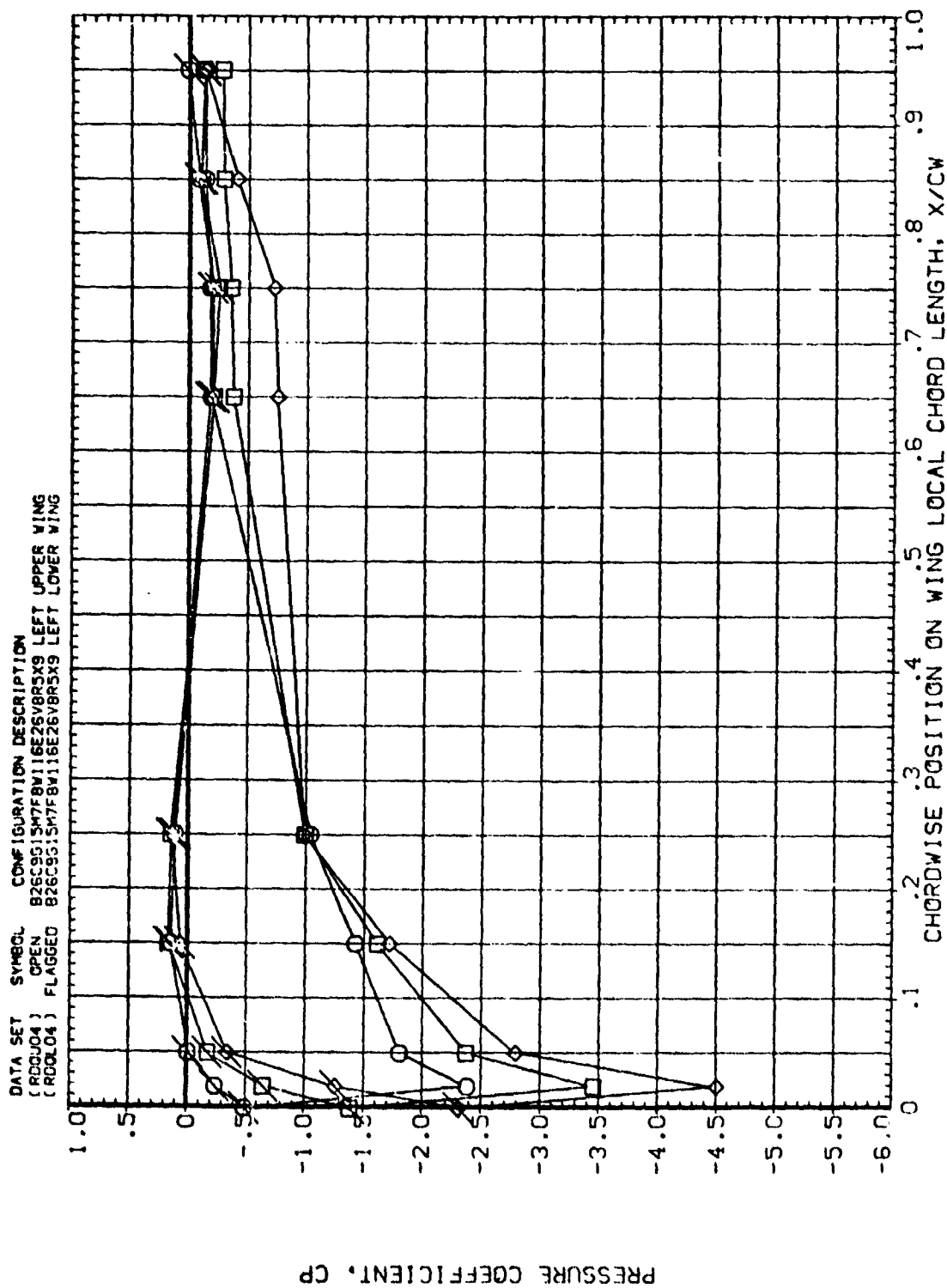


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
□	-2.950	.887	-.010	ELEVON	.000 RUDDER
◇	.050			BOFLAP	-14.250 BETA
◇	5.030				.000

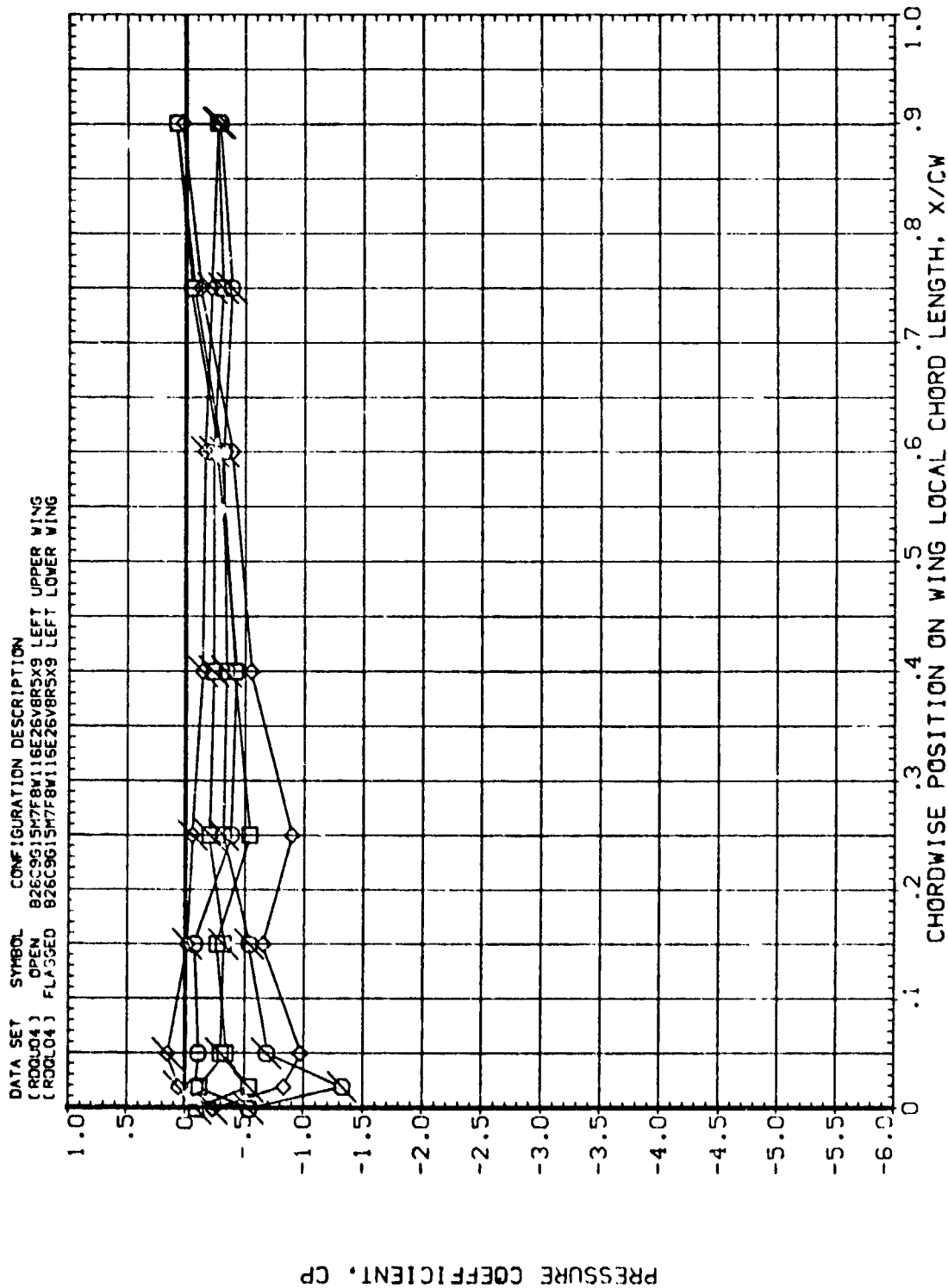


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDELAP -14.250 BETA

SYMBOL ALPHA Y/BV BETA
 10.100 .887 -.010
 13.220
 16.240

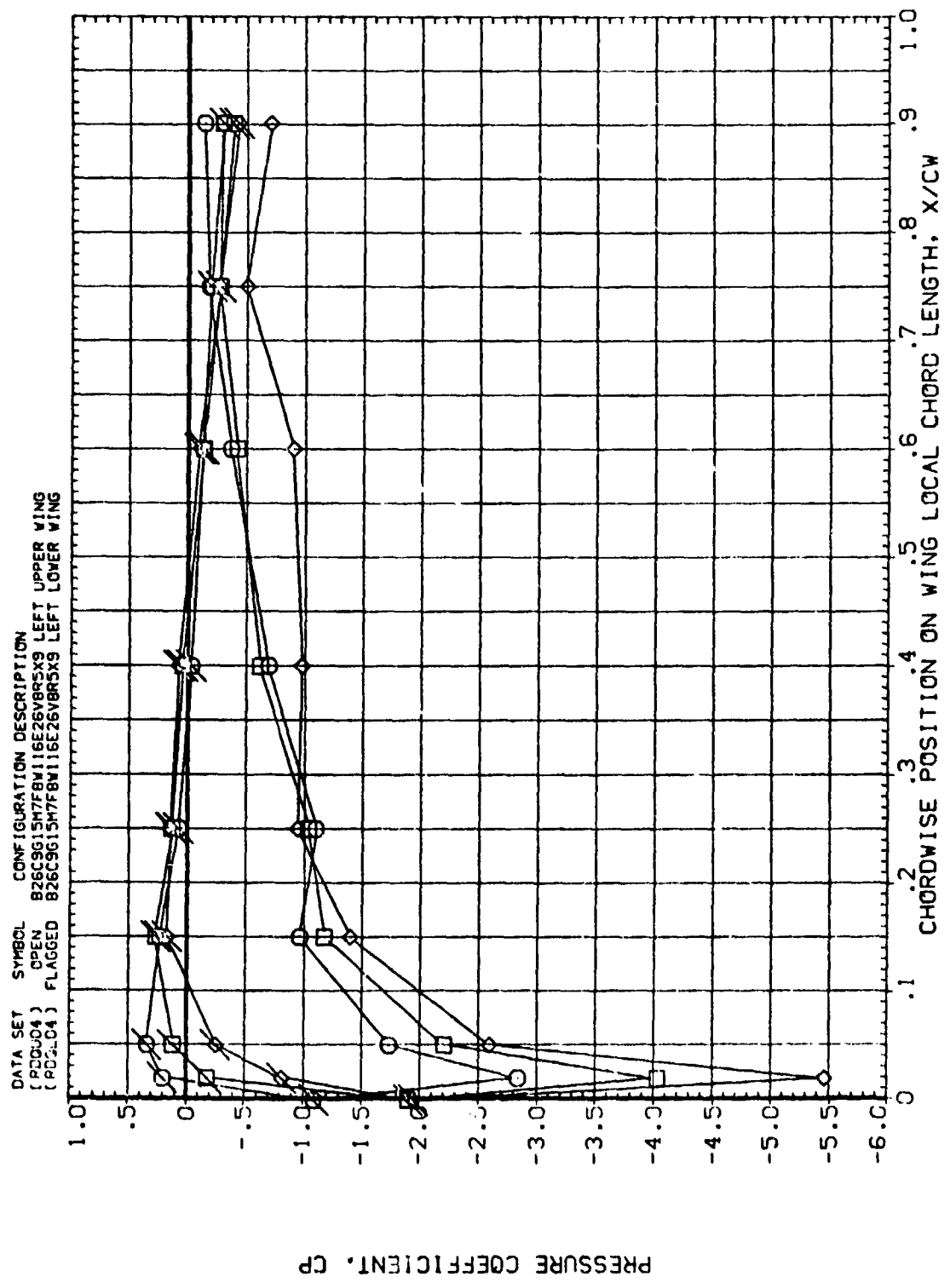


FIG. 26 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.299	10.050	BDFLAP	.000 RUDDER
◇	.030				-14.250 BETA
	5.020				10.000

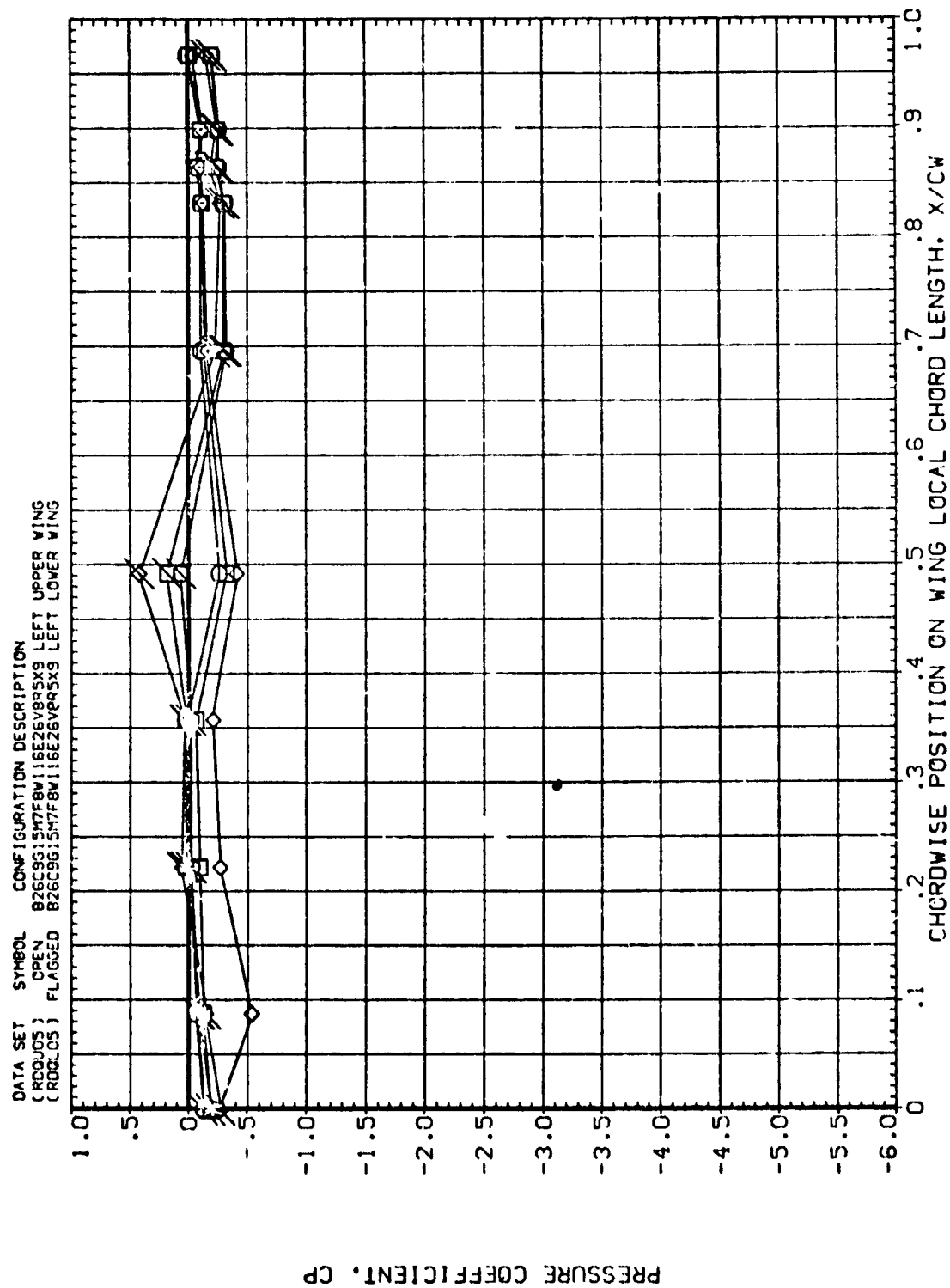


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	T/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.239	10.050	BDFLAP	.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.003

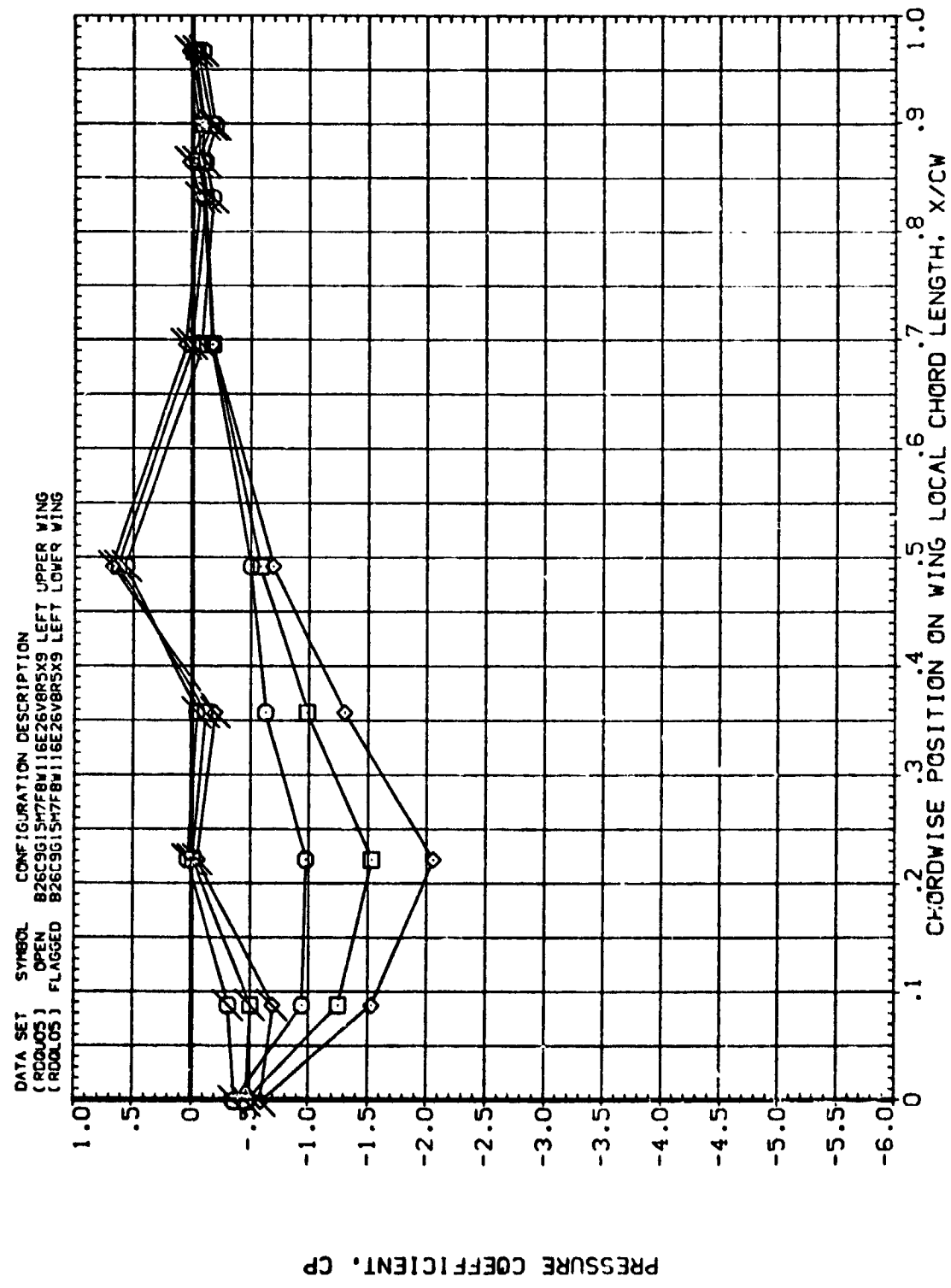


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BV BETA
 -2.970 .352 10.050
 .030
 5.020

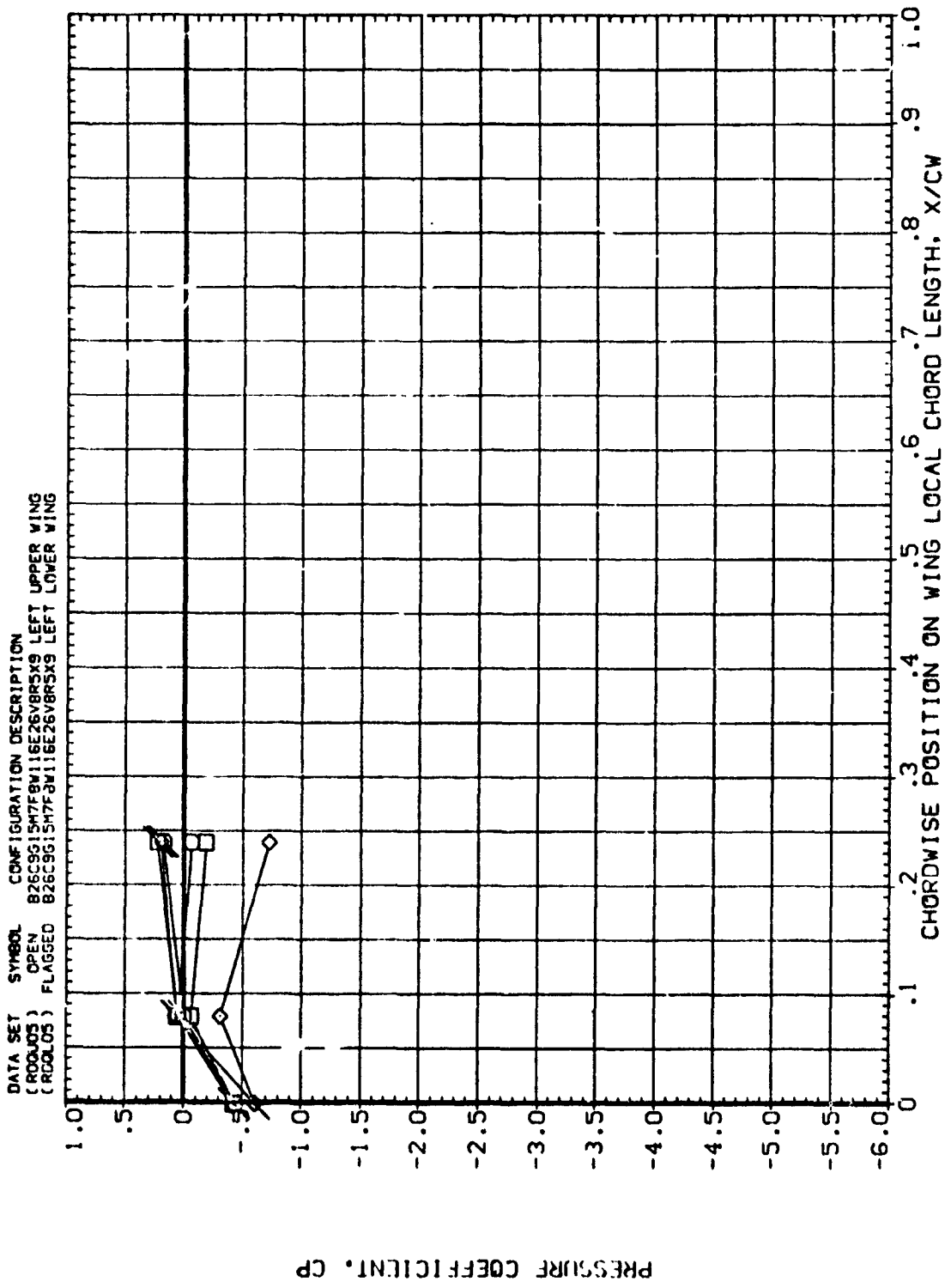


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.120	.352	10.050	ELEVON .000 RUDDER .000
□	13.190			BDFLAP -14.250 BETA 10.000
◇	16.220			

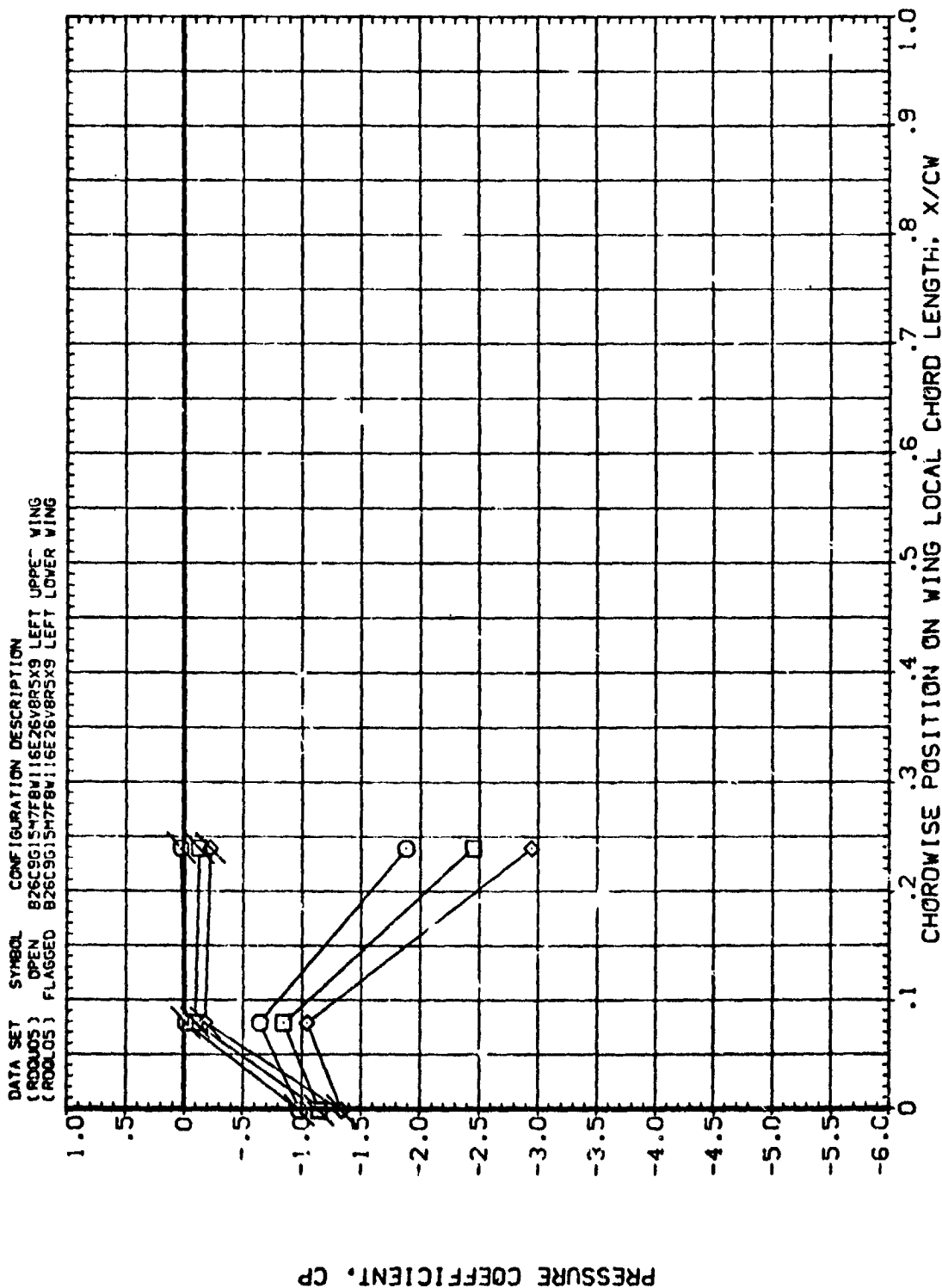


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

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SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
○	-2.970	.403	10.050		.000
□	-.030			ELEVON	.000
◇	5.020			BDFLAP	-14.250
					BETA
					10.000

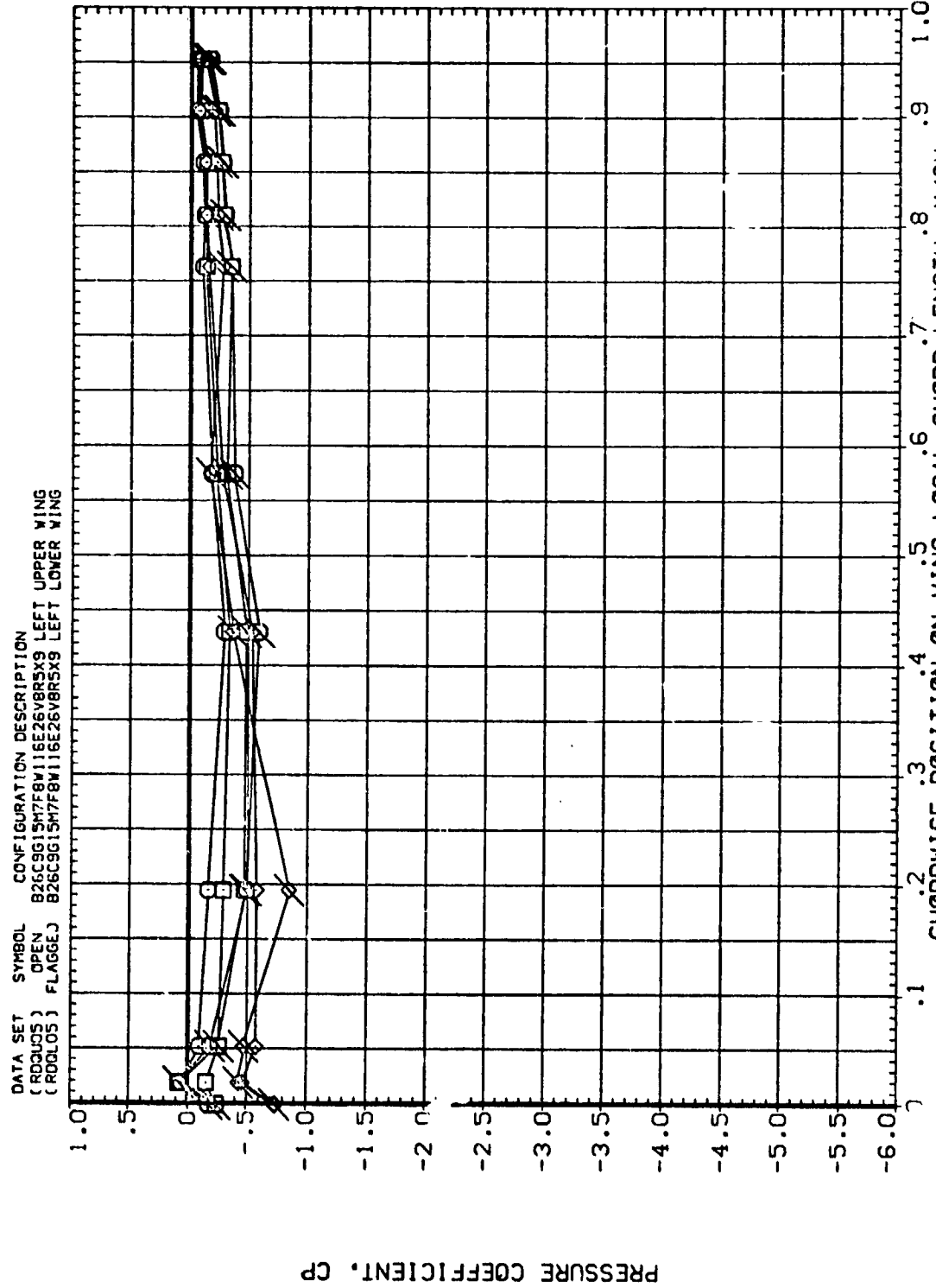


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.120	.405	10.05G	.000	.000	.000
□	13.190			.000	.000	.000
◇	16.220			-14.250	BETA	10.00C

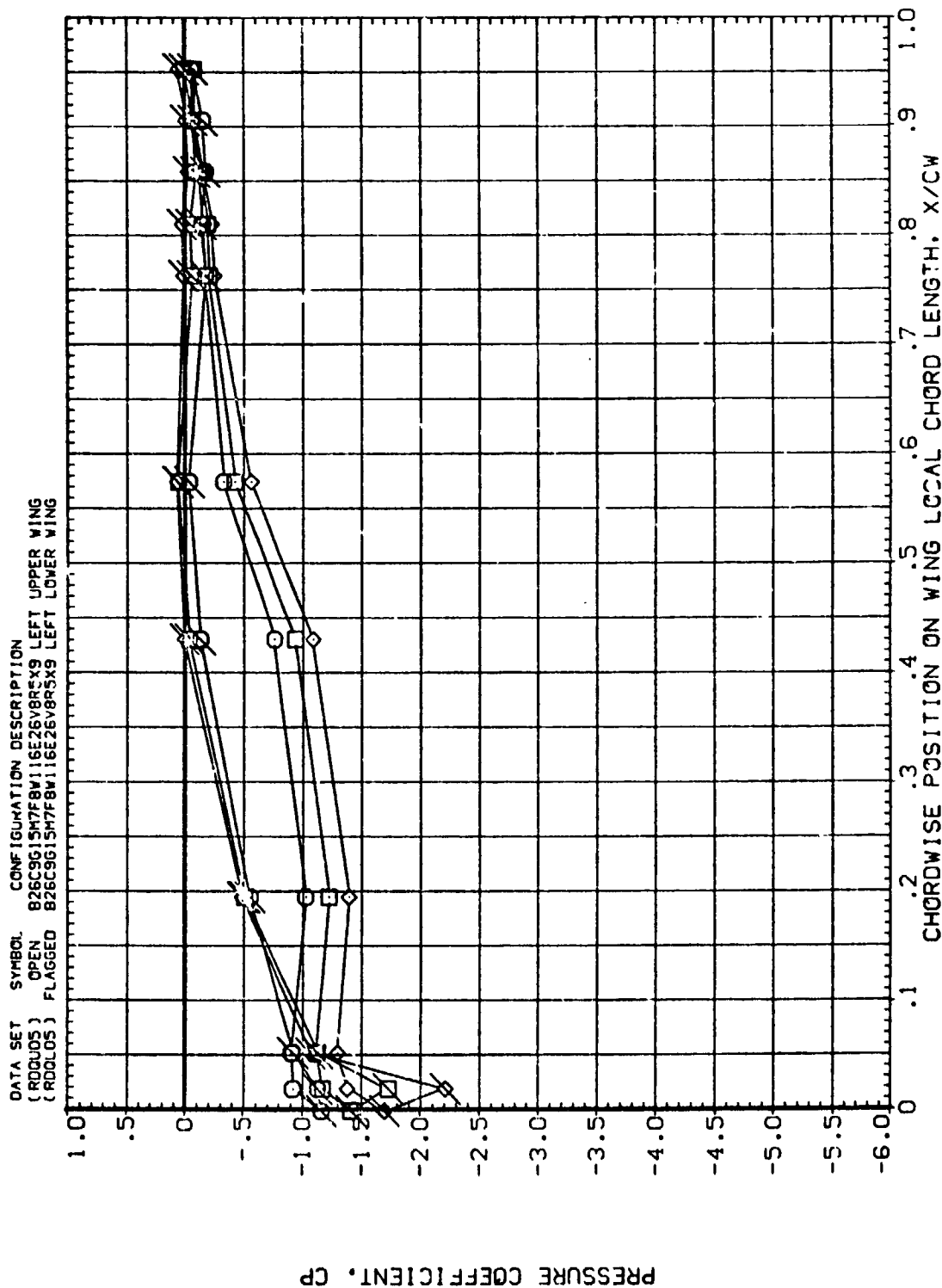


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

PARAMETRIC VALUES

PARAMETER	VALUE
ELEVON	.000
BDFLAP	-14.250
RUDDER	.000
BETA	10.000

SYMBOL ALPHA Y/BW BETA

○	-2.970	.534	10.050
□	.030		
◇	5.020		

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RODUCS)	OPEN	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(RODUCS)	FLAGGED	B26C9G15H7F8W116E26V8R5X9	LEFT LOWER WING

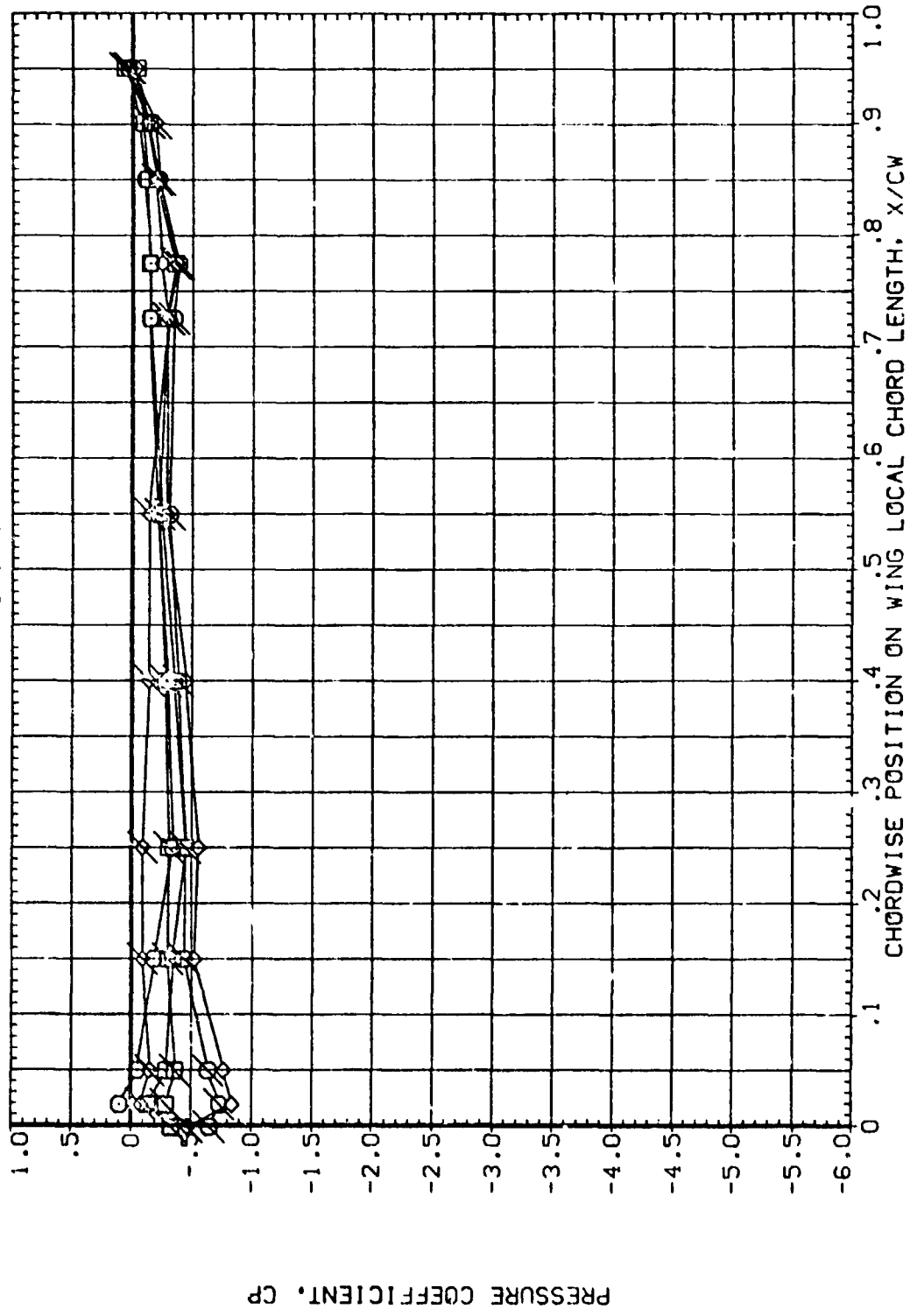


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

3-80L
□ ○ ◇

ALPHA 10.120
13.190
16.220

Y/BV .534

BETA 10.050

ELEVON
BDFLAP

PARAMETRIC VALUES
.000 RUDDER
-14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RODOUS) OPEN B26C961SH7F8W116E26V8R5X9 LEFT UPPER WING
(RODOUS) FLAGGED B26C961SH7F8W116E26V8R5X9 LEFT LOWER WING

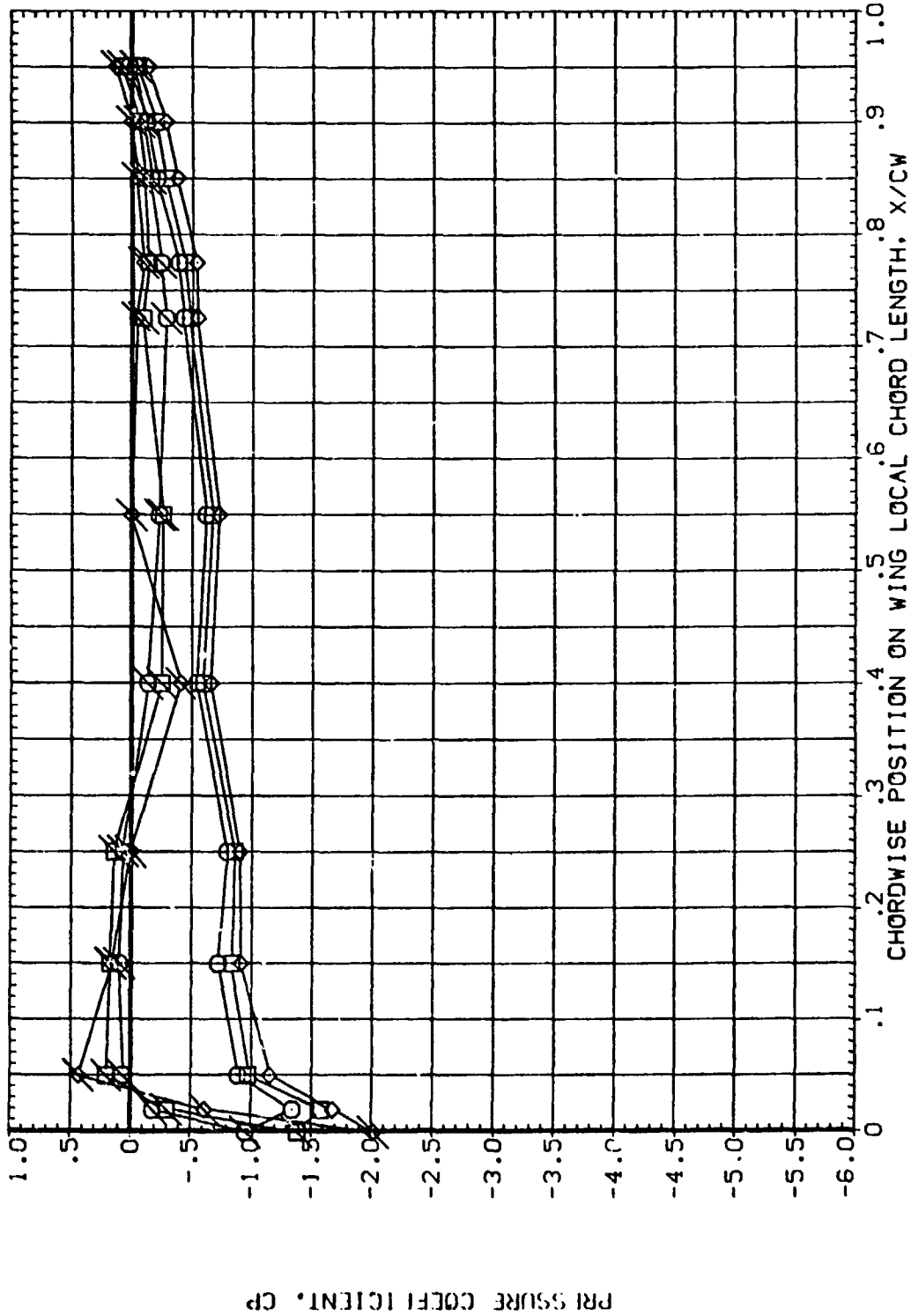


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
	-2.970 .030 5.020	.673	10.050	
				ELEVON BDFLAP
				.000 -14.250
				RUDDER BETA
				.000 10.000

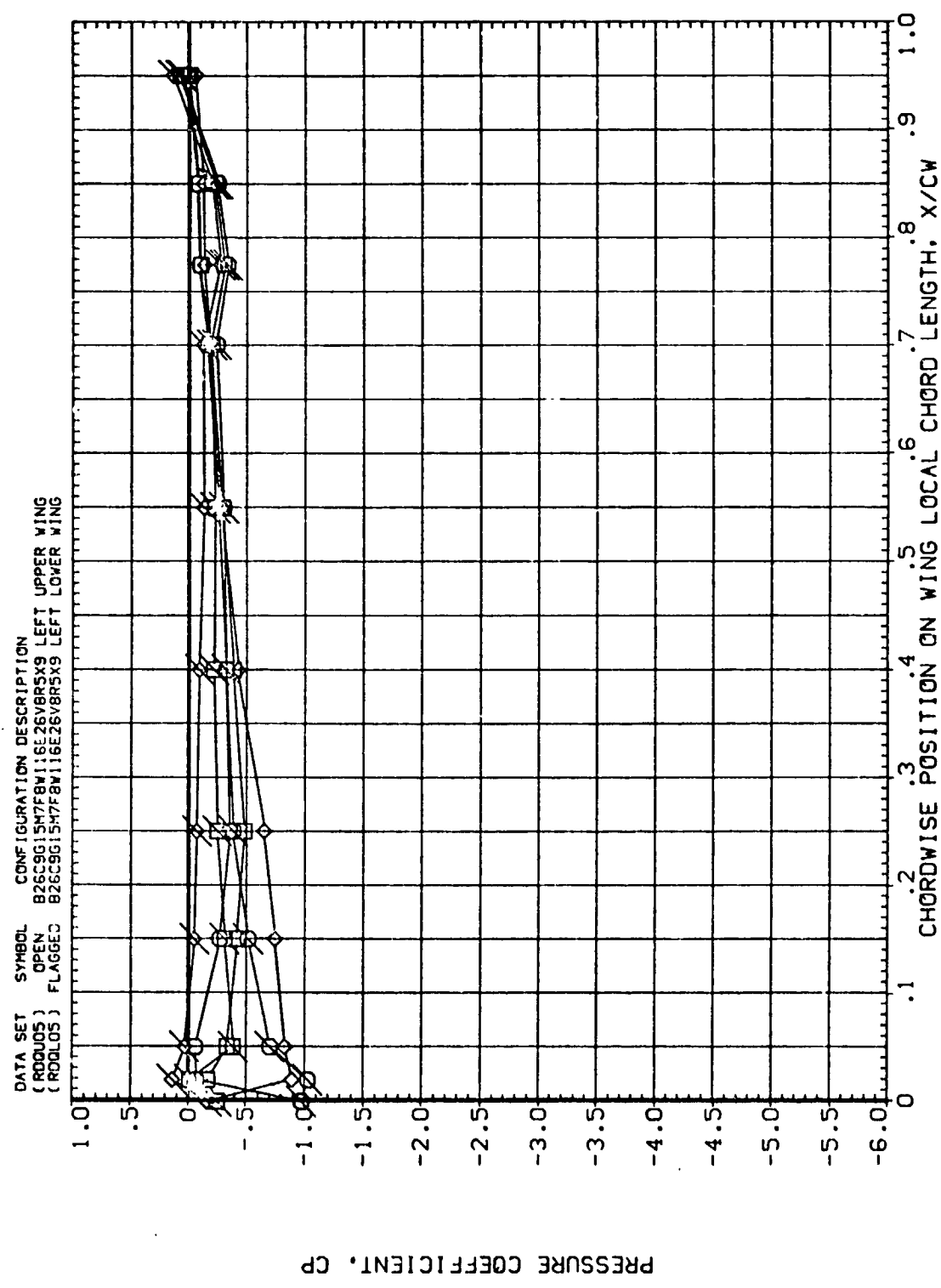


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
	10.120	.673	10.050	ELEVON	.000	.000
	13.190			BDFLAP	-14.250	BETA
	16.220					10.000

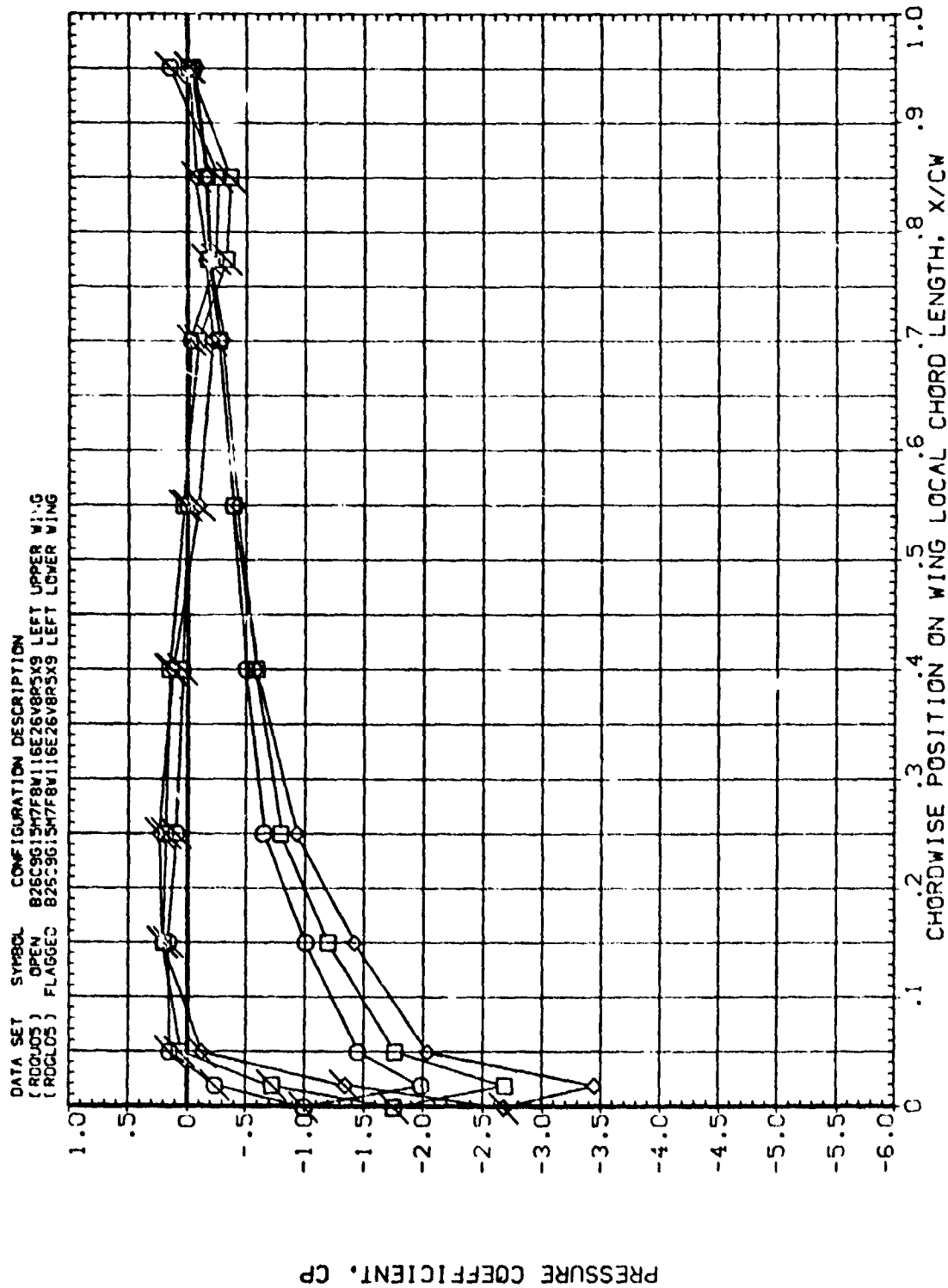


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	V/BV	BETA	PARAMETRIC VALUES	
	-2.970 .030 5.020	.780	10.050	ELEVON 80FLAP	.000 -14.250 10.000 RUDDER BETA

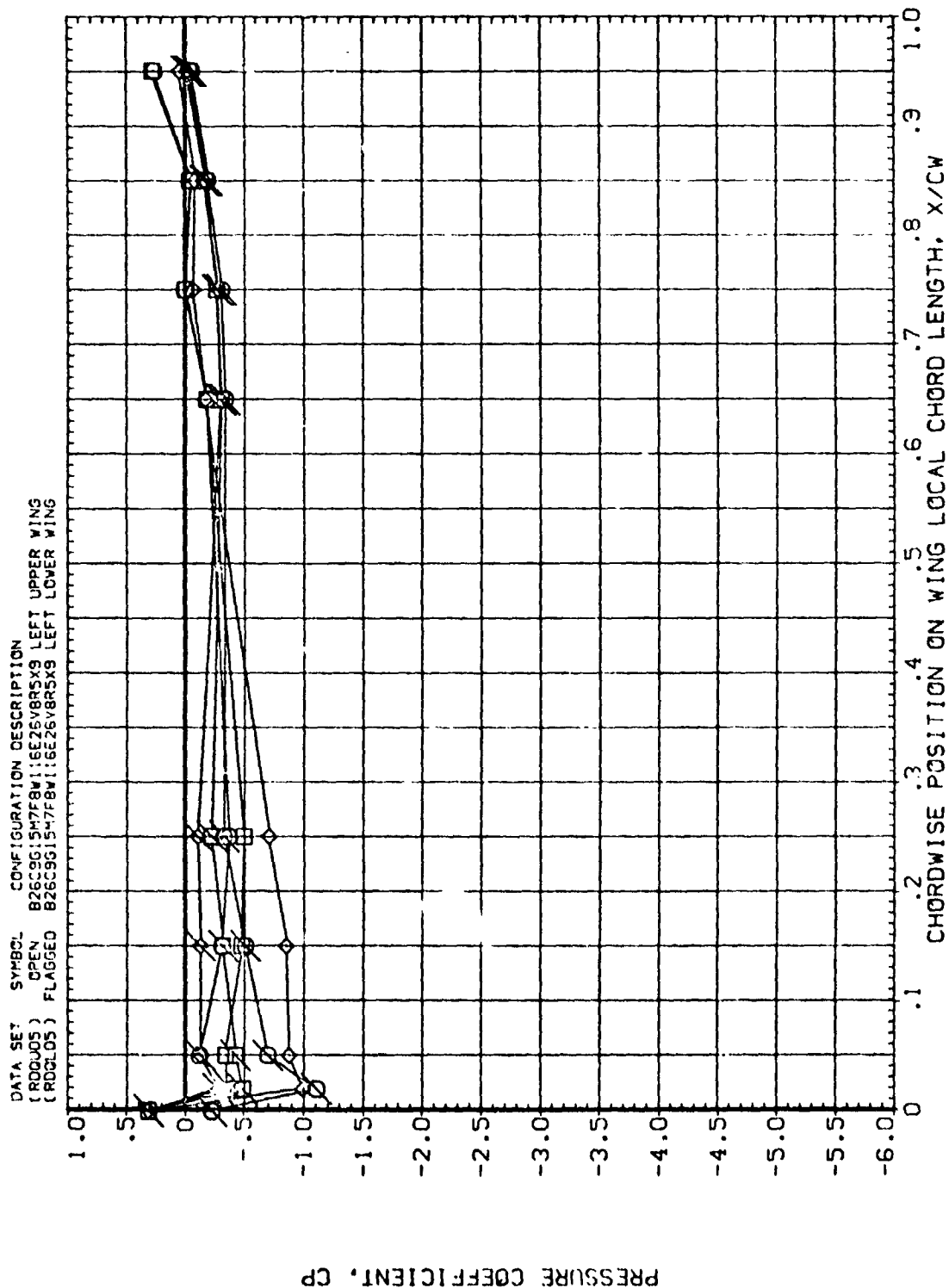


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	10.120	.780	10.050	ELEVON	.000 RUDDER
	13.190			BDFLAP	-14.250 BETA
	16.220				10.000

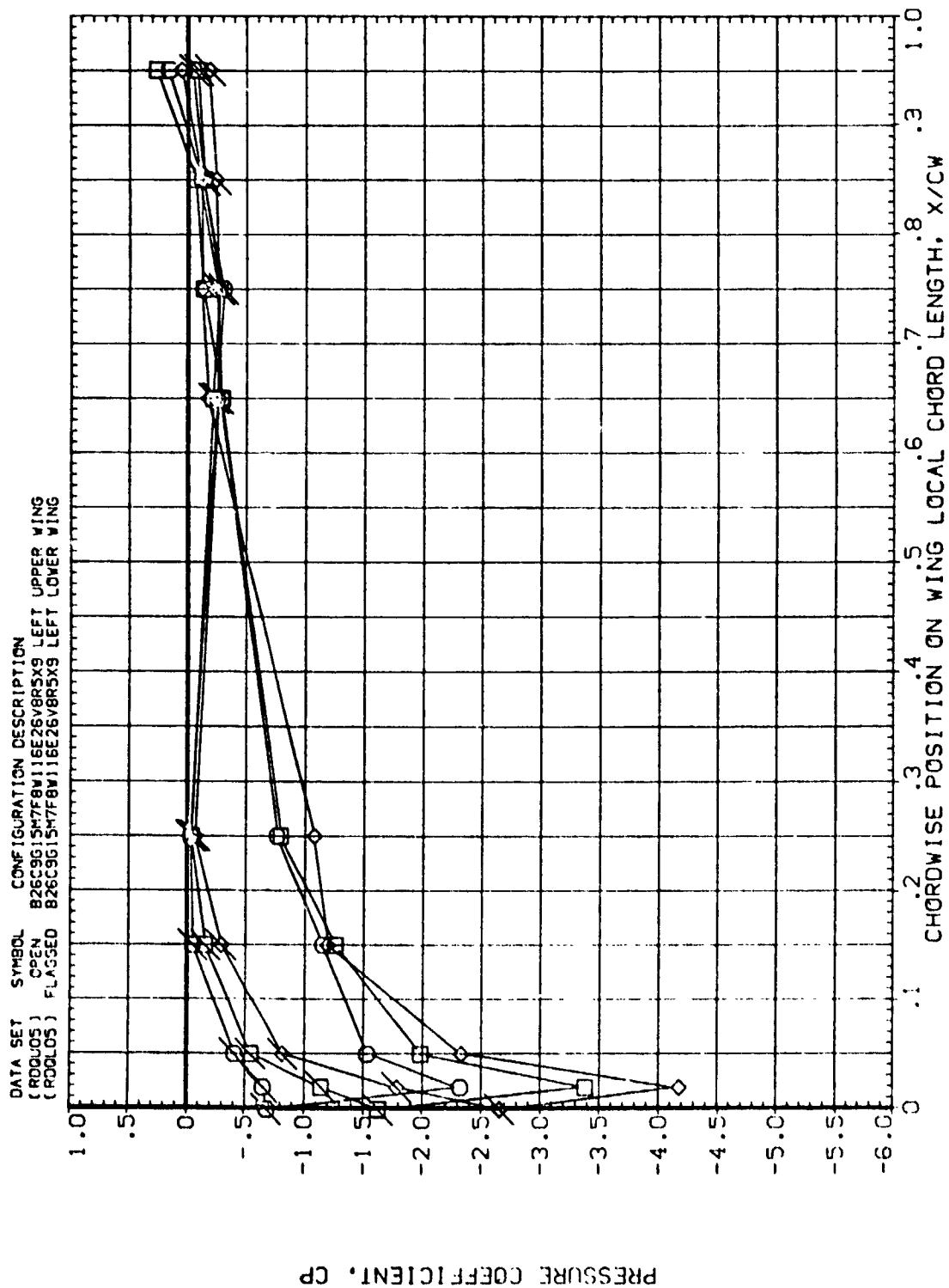


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL ALPHA Y/BV BETA
 -2.970 .887 10.050
 .030
 5.020

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

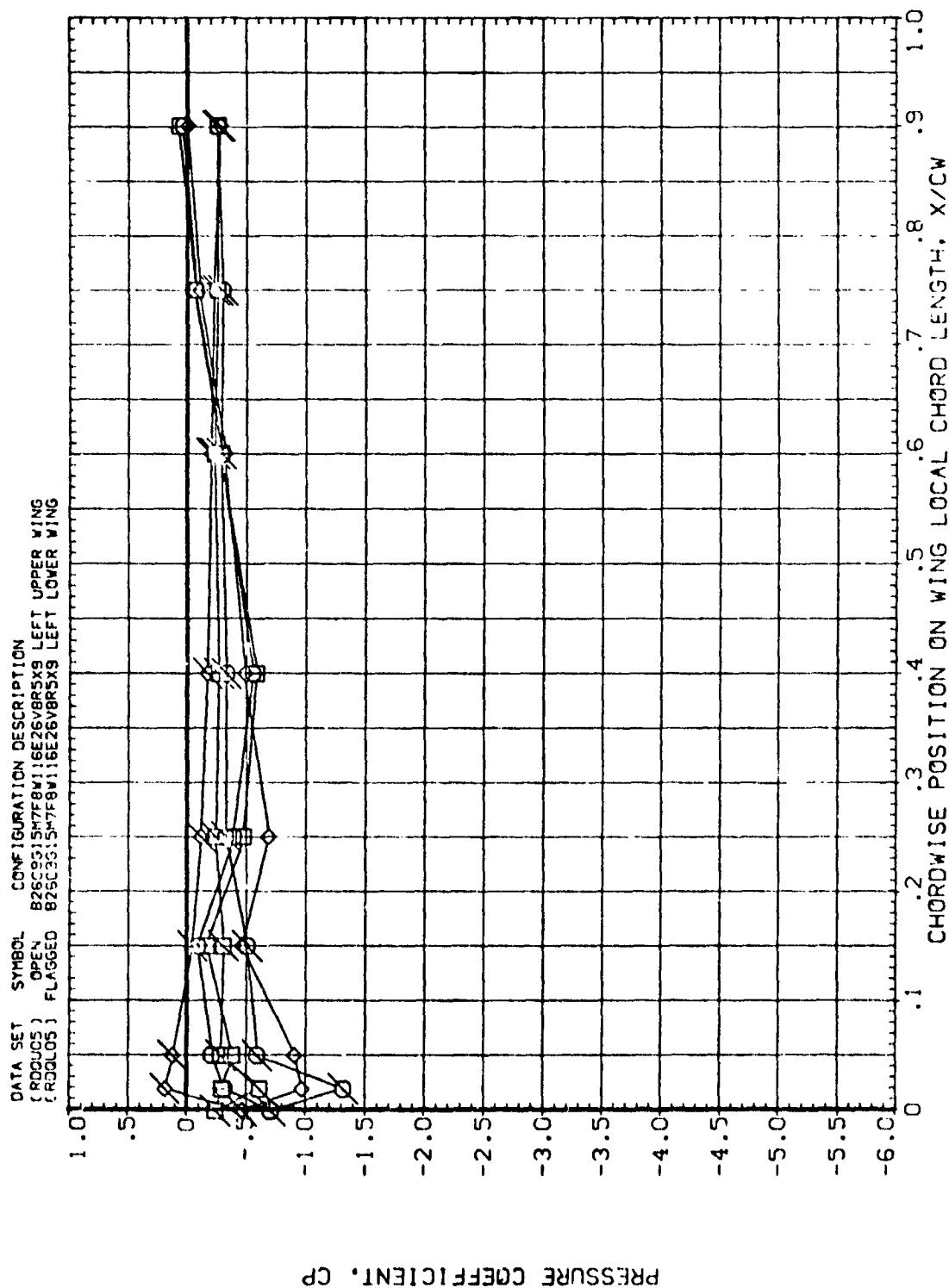


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = C, BETA = +10

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SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
	10.120	.887	10.050	
□	13.190			ELEVON
◇	16.220			BOFLAP
				-14.250
				RUDDER
				BETA
				10.000

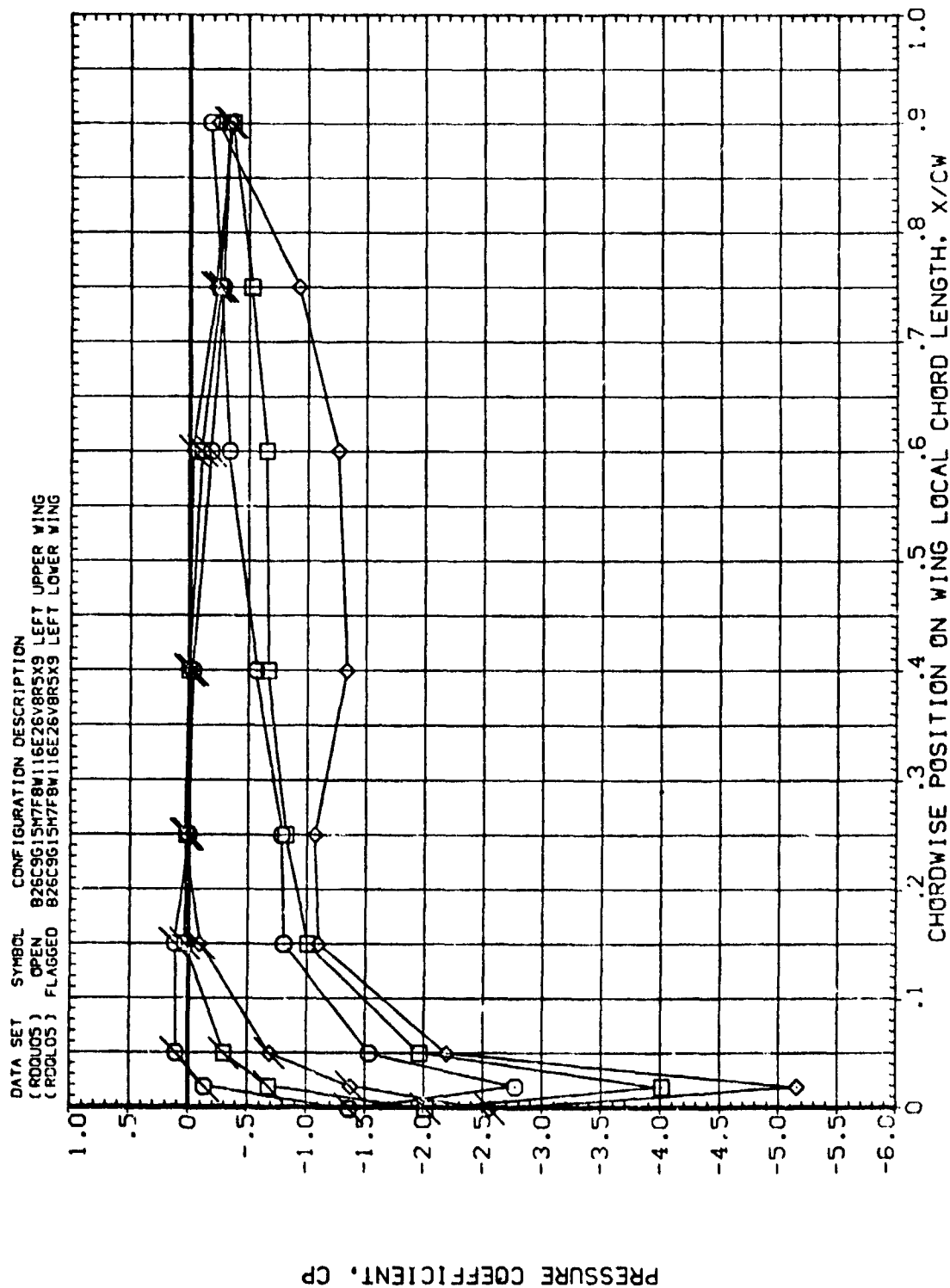


FIG. 27 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = 0, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
□	-2.980	.299	-10.060	ELEVON	-20.000 PUDDER .000
◇	.020			BOFLAP	-14.250 BETA -10.000
◇	5.020				

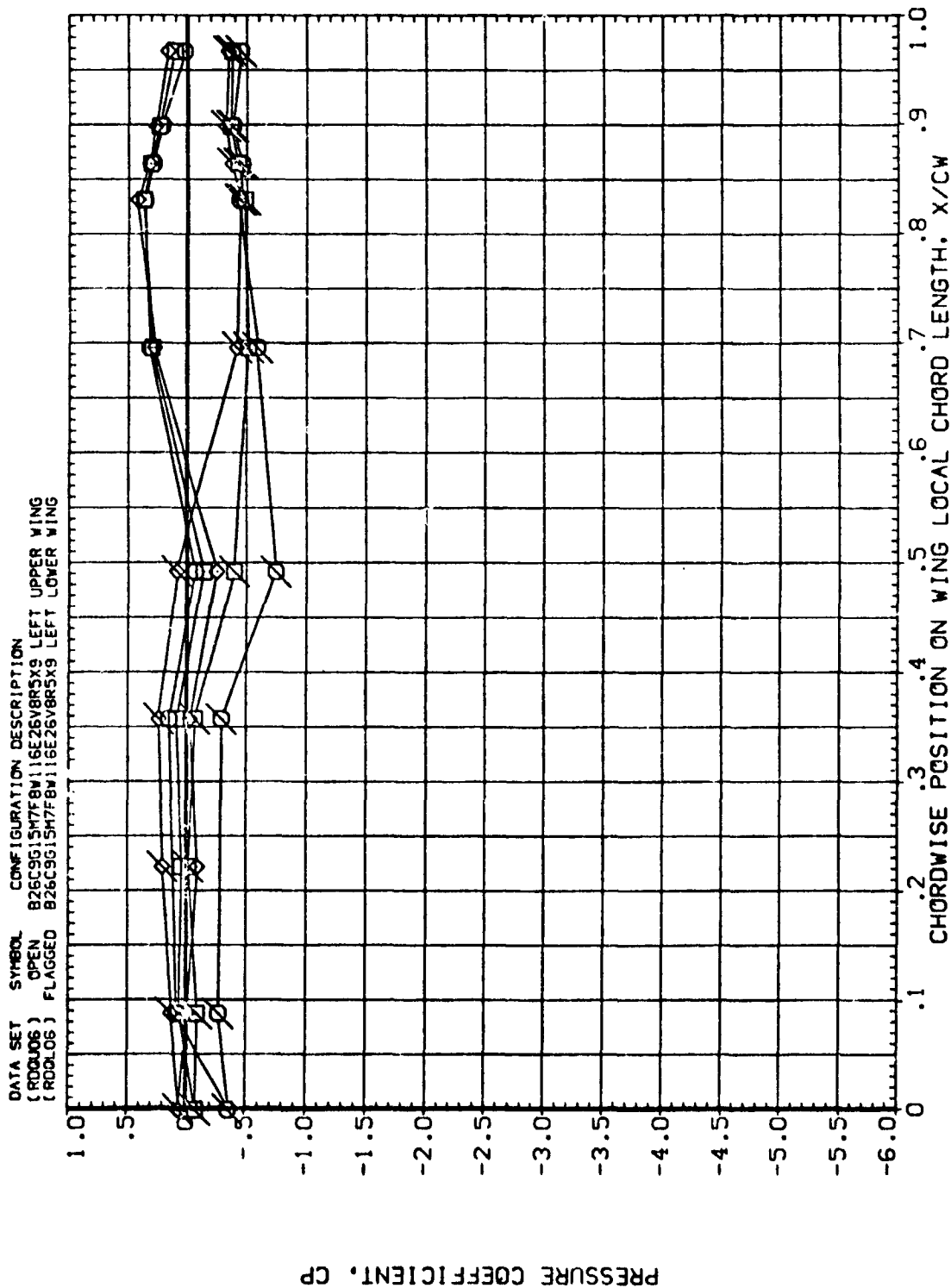


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	10.090	.299	-10.060	ELEVON	-20.000
	13.190			RUDDER	.000
	16.220			BETA	-10.000

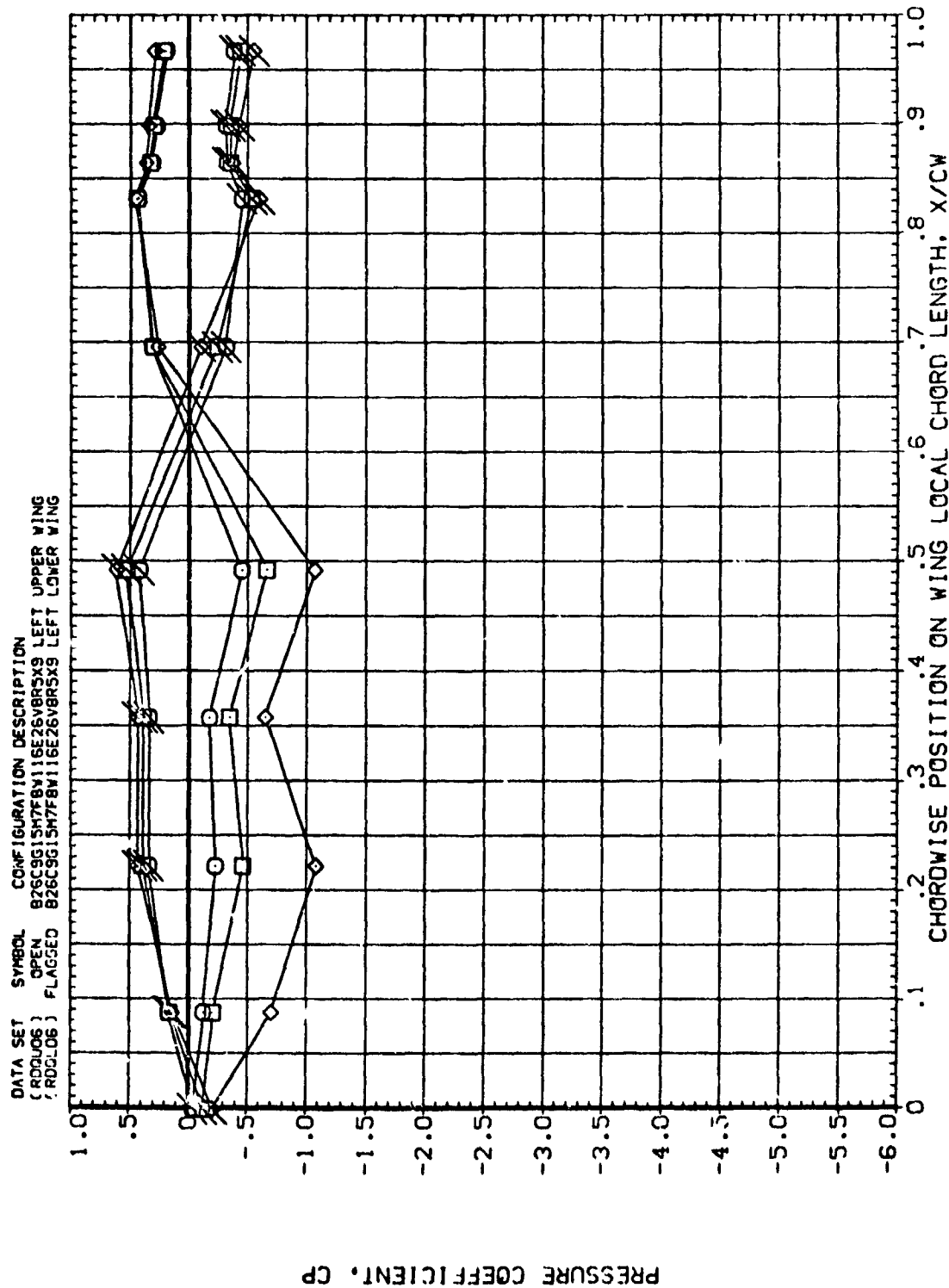


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT. ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
◇	-2.980	.352	-10.060	ELEVON	-20.000
□	-.020			RUDDER	.000
	5.020			BETA	-10.000

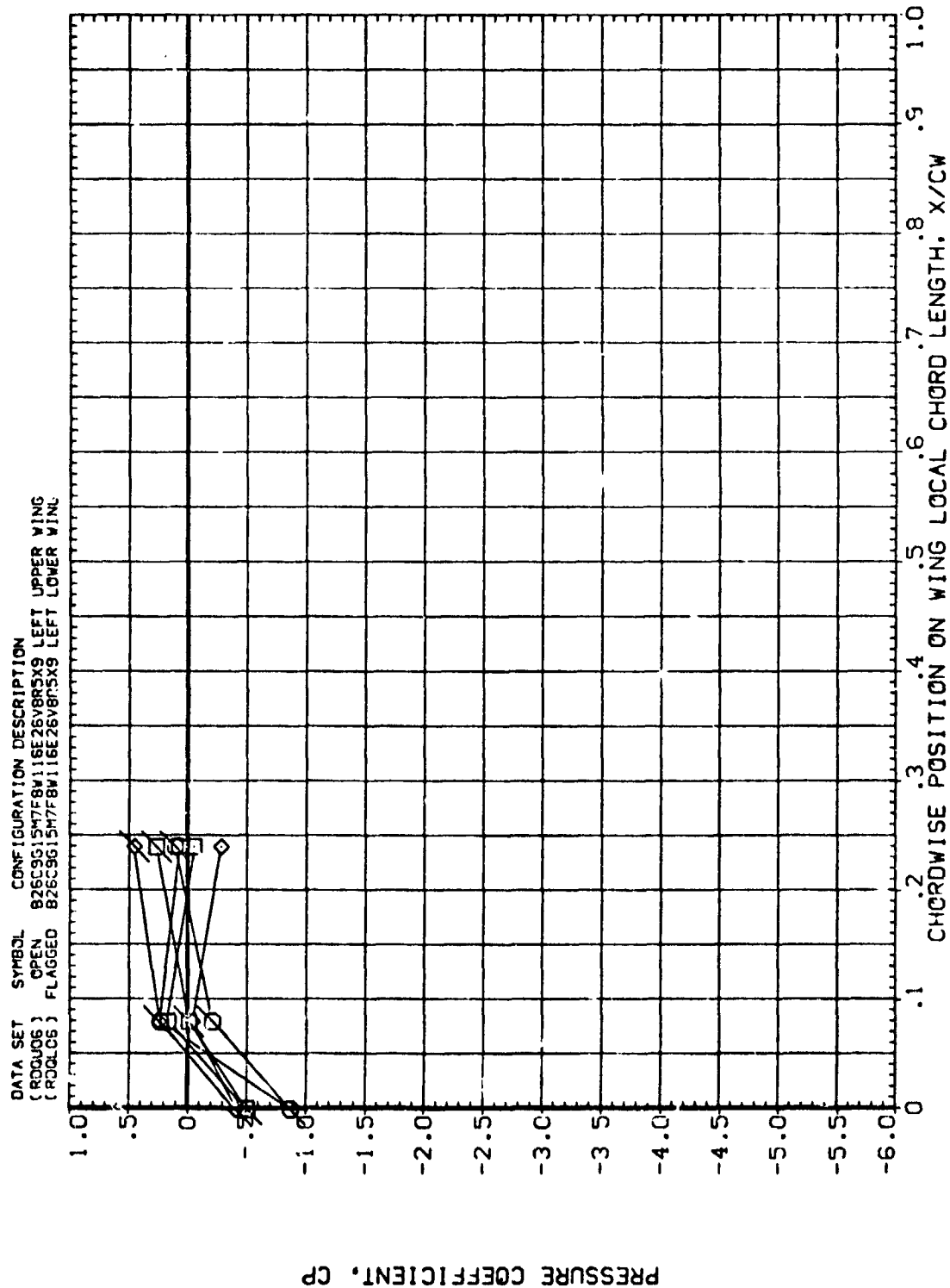


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.090	.352	-10.060	BDFLAP	-20.000 RUDDER
◇	13.190				-14.250 BETA
	16.220				-10.000

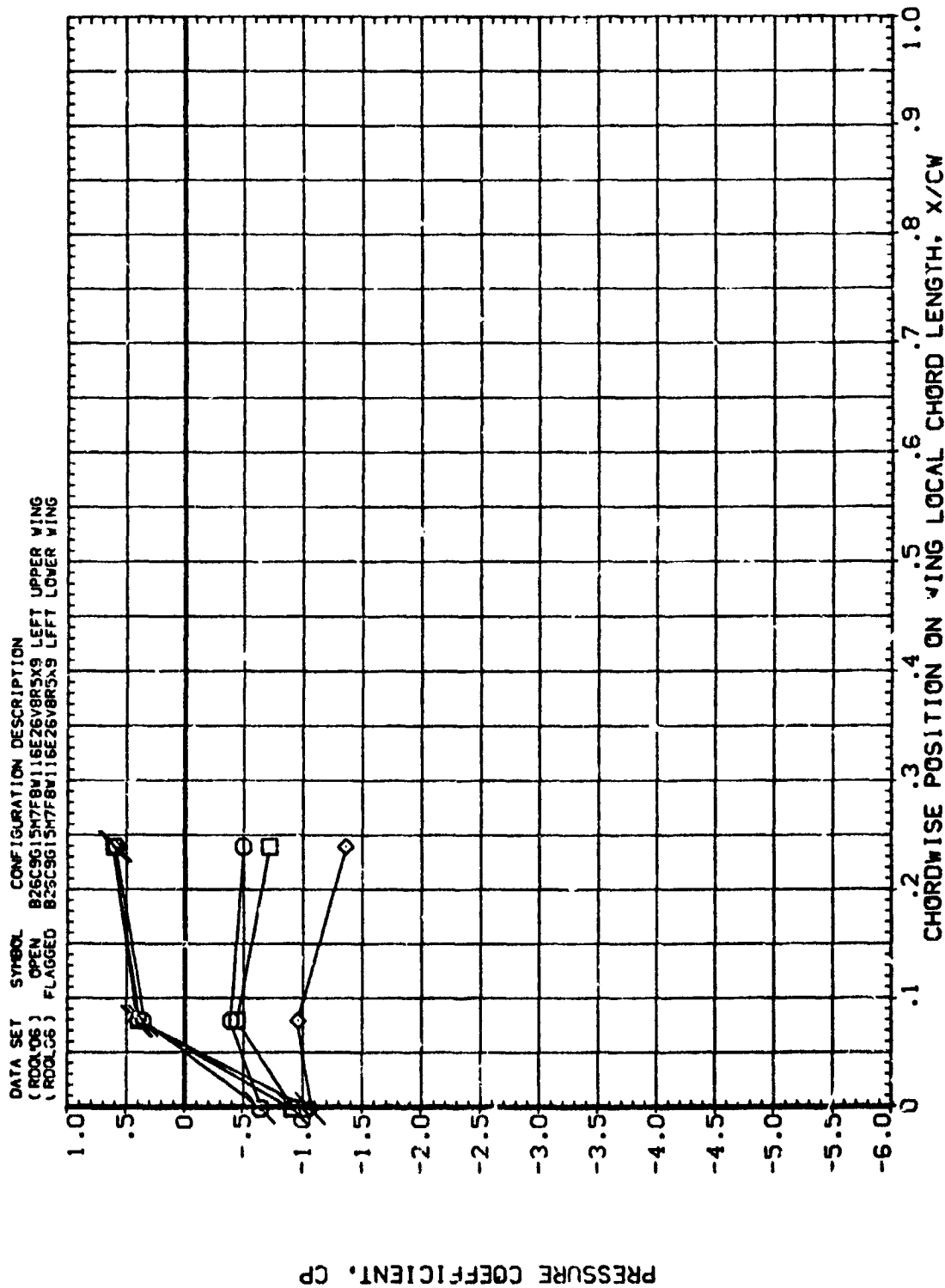


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	-2.98C	.405	-10.060	BDCLAP	-20.000 RUDDER
□	.020				-14.250 BETA
◇	5.020				-10.000

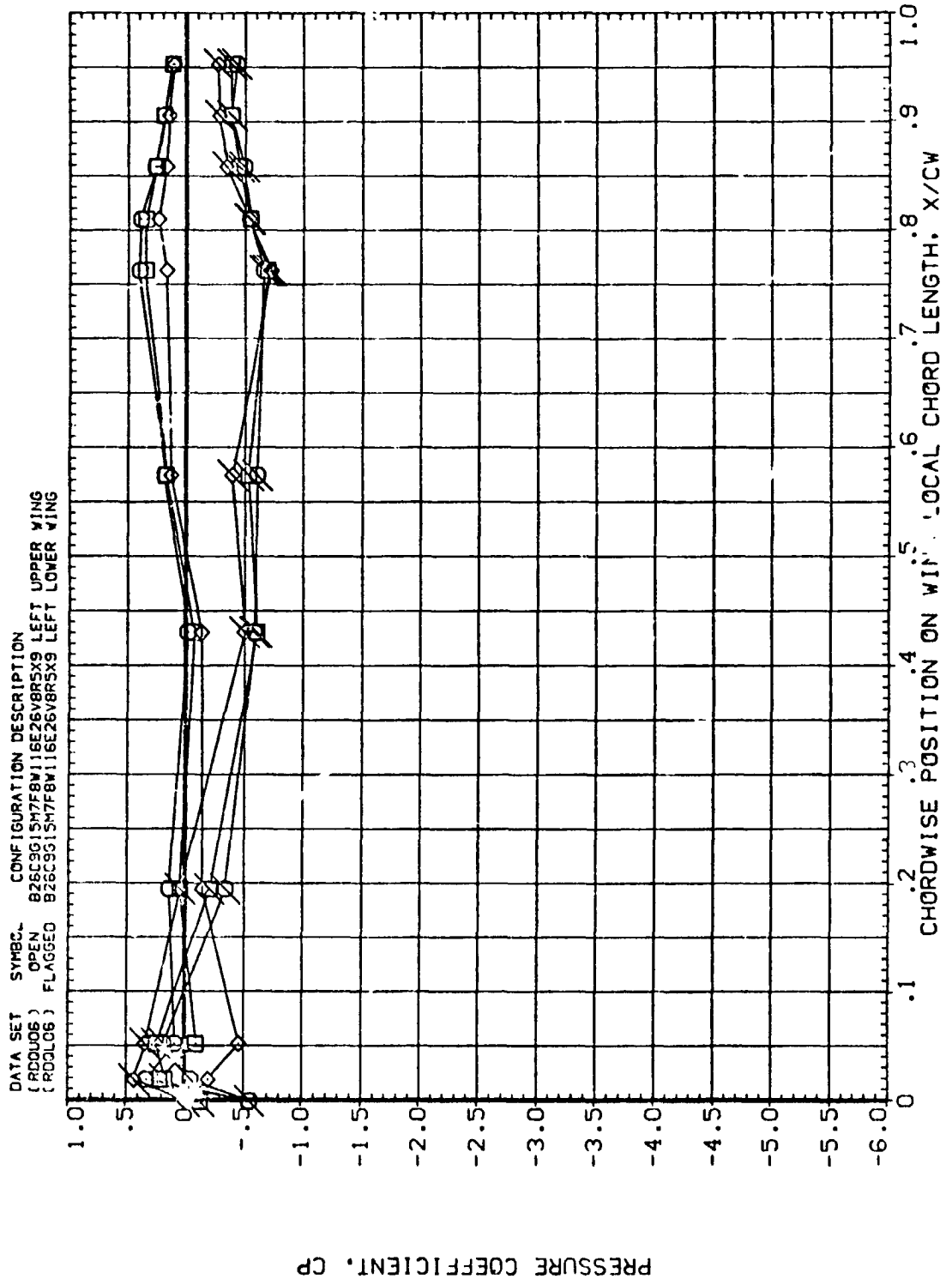


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	10.090	.405	-10.060	ELEVON	-20.000
□	13.190			BCFLAP	-14.250
◇	16.220			RUDDER	-10.000
				BETA	-10.000

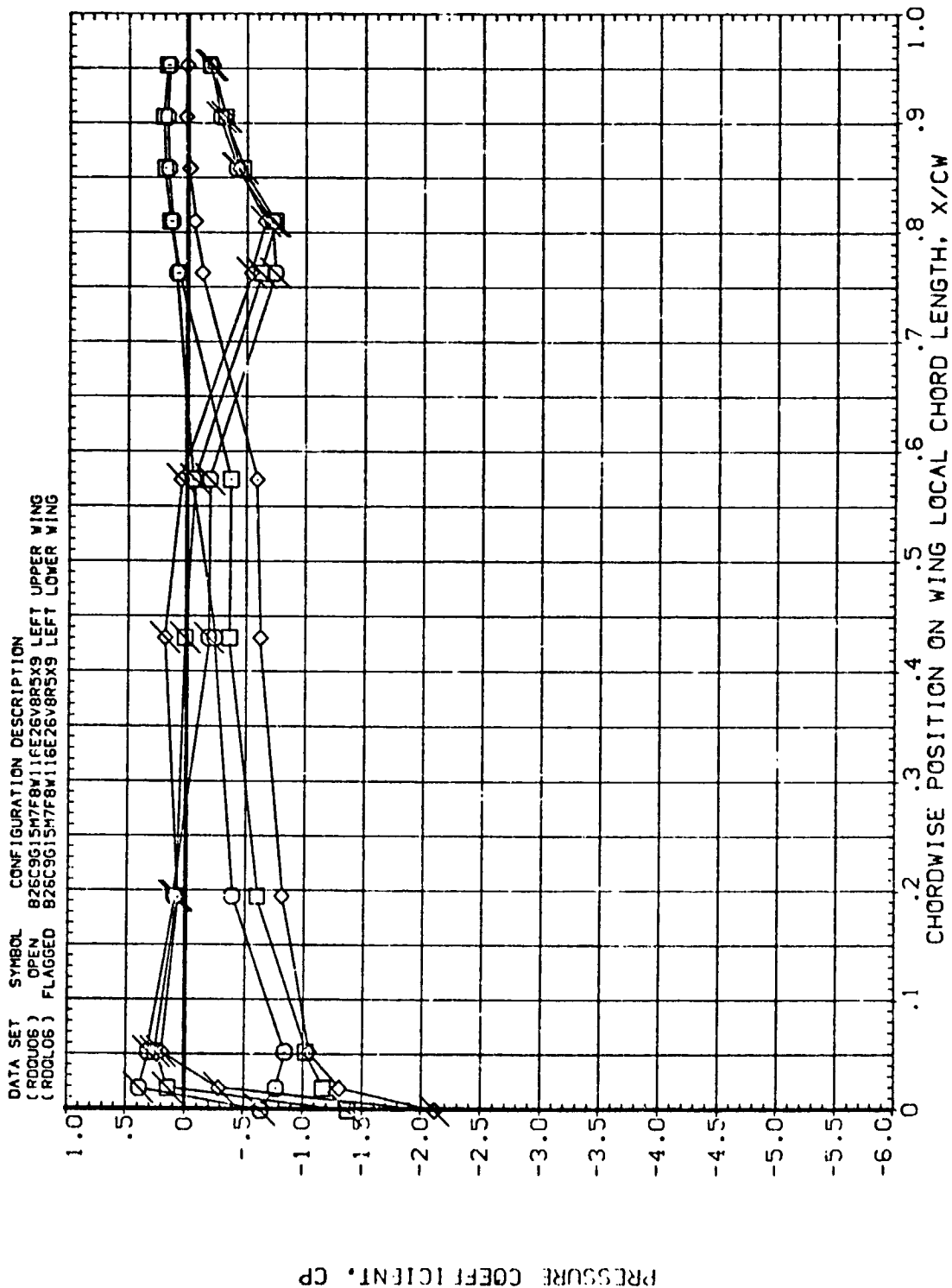


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA		PARAMETRIC VALUES
○	-2.980	.534	-10.060	ELEVON	-20.000
□	.020			BDFLAP	-14.250
◇	5.020				BETA
					-10.000

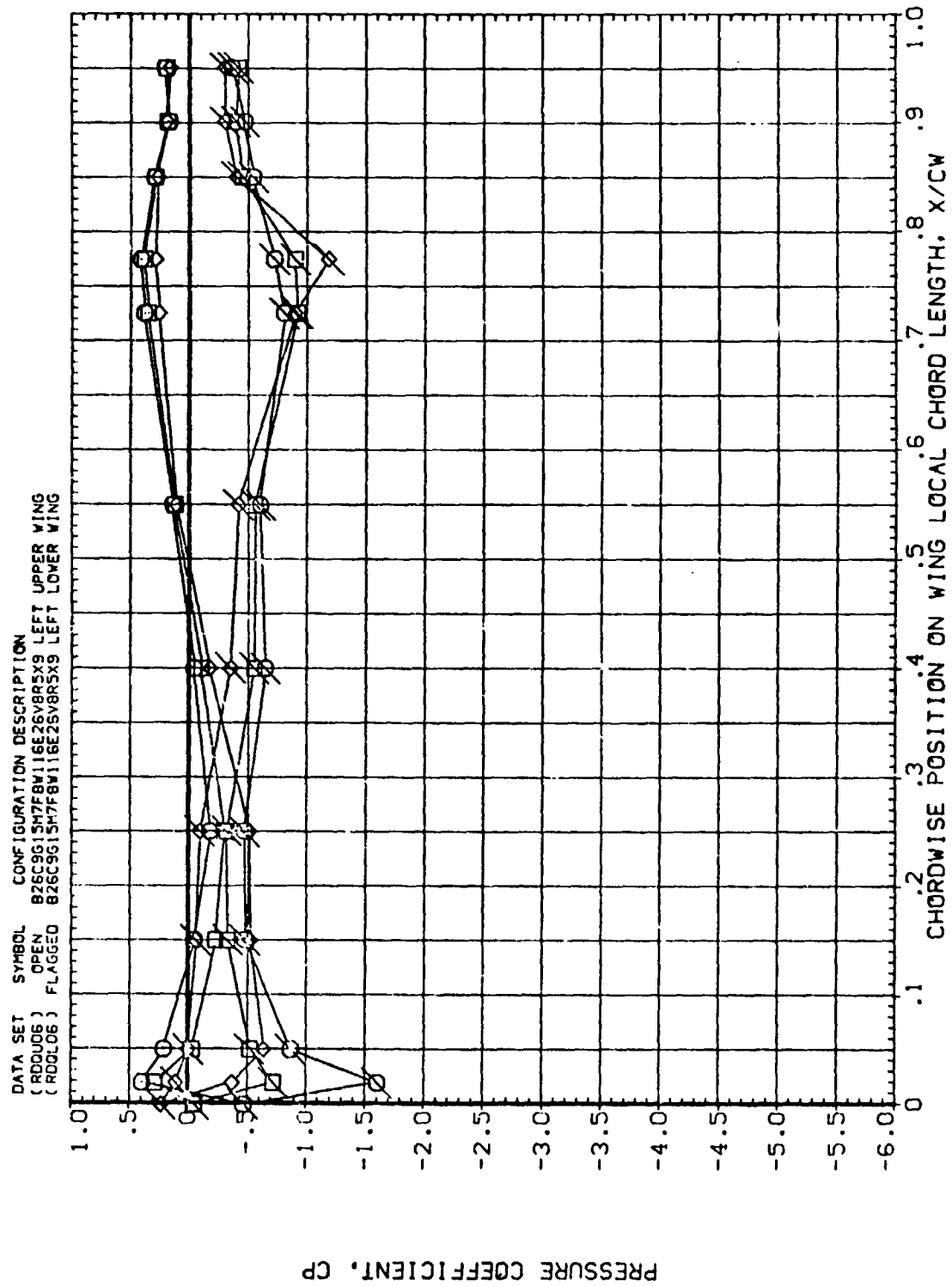


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
◇	10.090	.534	-10.060	ELEVON	-20.000	RUDDER
□	13.190			BOFLAP	-14.250	BETA
○	16.220					-10.000

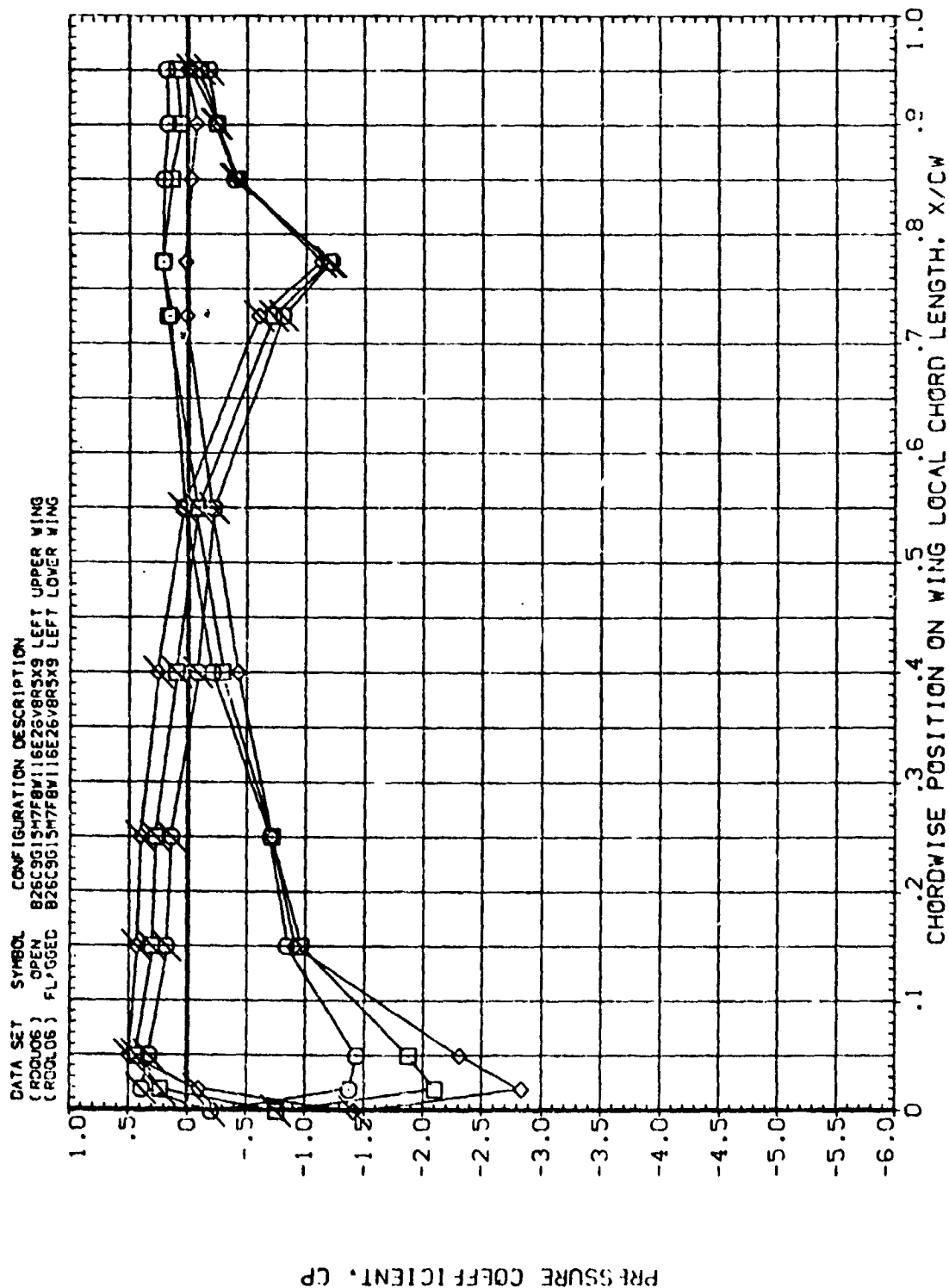


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	ELEVON	PARAMETRIC VALUES
□	-2.980	.673	-10.060	-20.000	RUDDER .000
◇	.020			-14.250	BETA -10.000
◇	5.020				

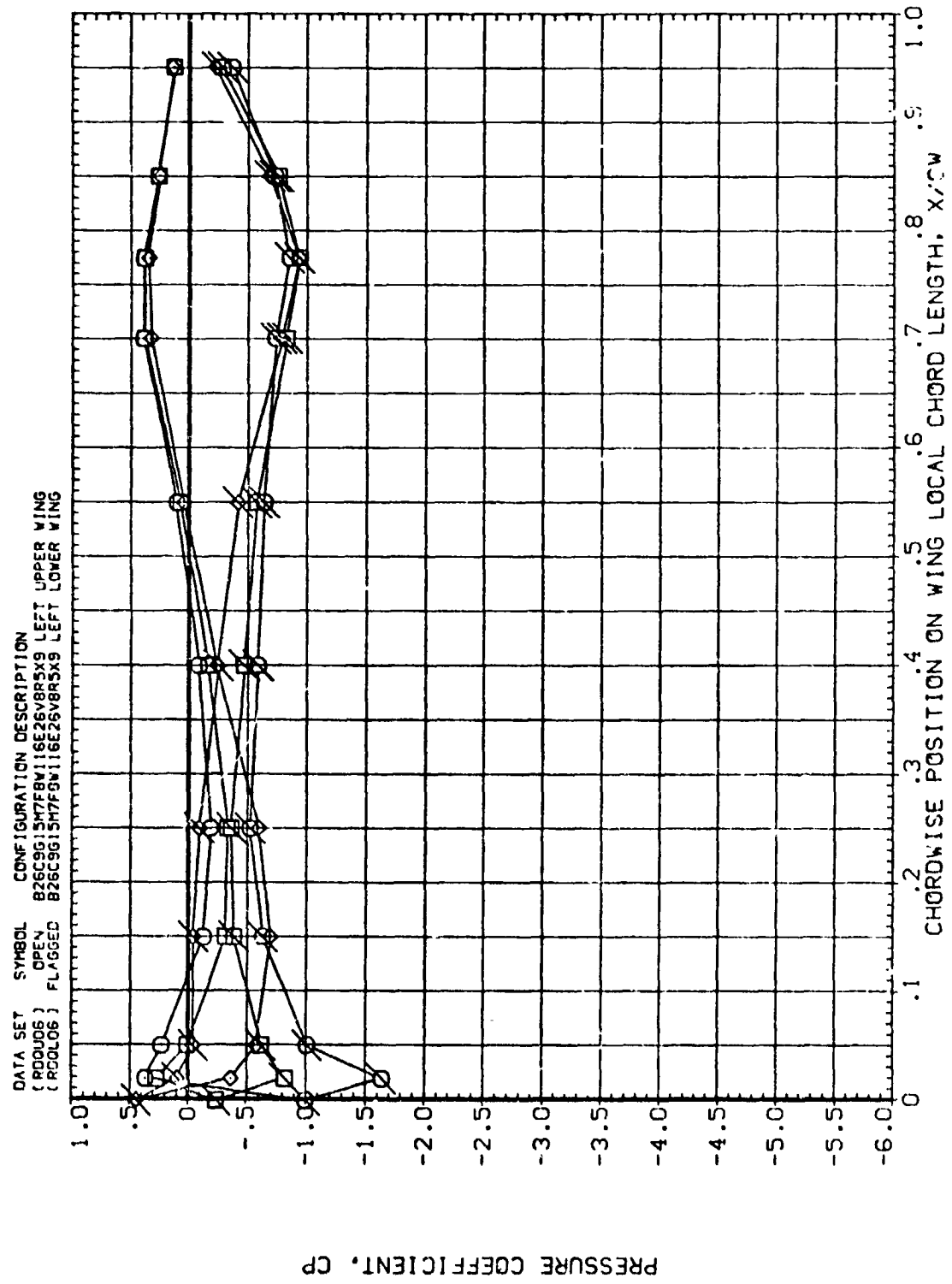


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETER VALUES		
○	12.090	.673	-10.060	ELEVON	-20.000	RUDDER
□	13.190			BDFLAP	-14.250	BETA
◇	16.220					-10.000

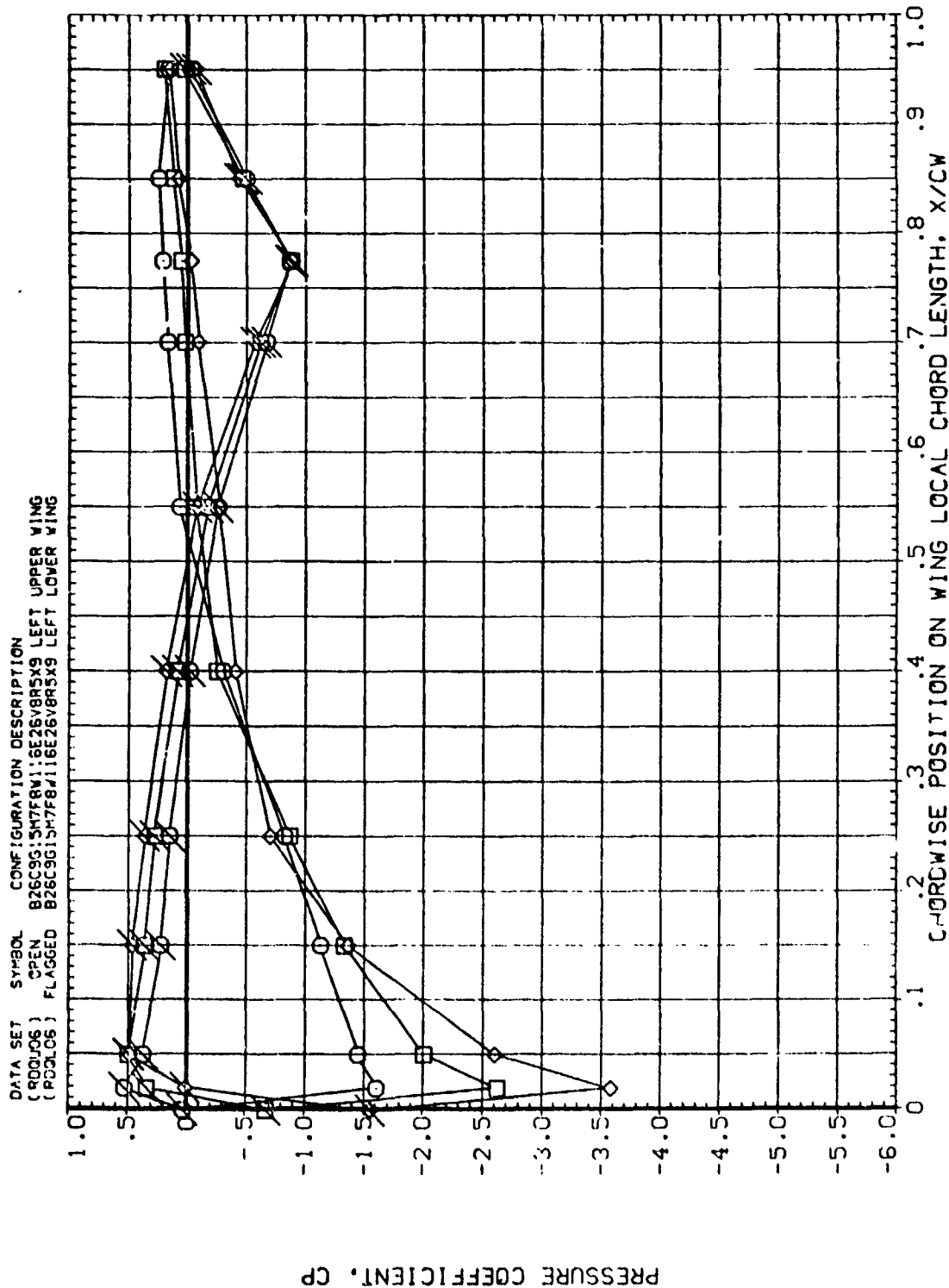


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
◇	-2.980	.780	-10.060	ELEVON	-20.000
□	.020			BDFLAP	-14.250
◇	5.020			BETA	-10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0206) OPEN B26C9G15M7F8W116E28V8R5X9 LEFT UPPER WING
 (R0206) FLAGGED B26C9G15M7F8W116E26V8R5X9 LEFT LOWER WING

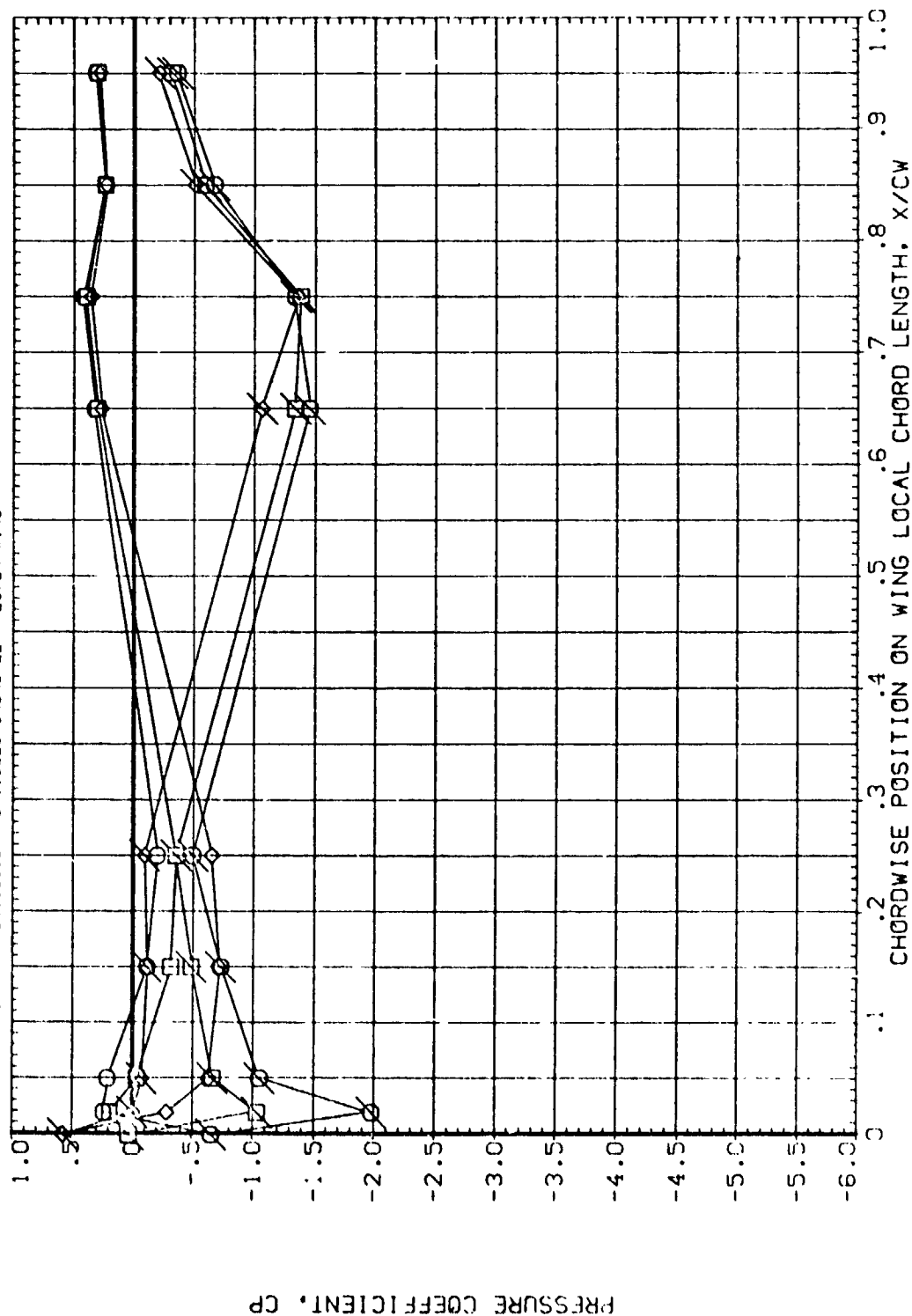


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL ALPHA Y/BW BETA
 ○ 10.090 .780 -10.060
 □ 13.190
 ◇ 16.220

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

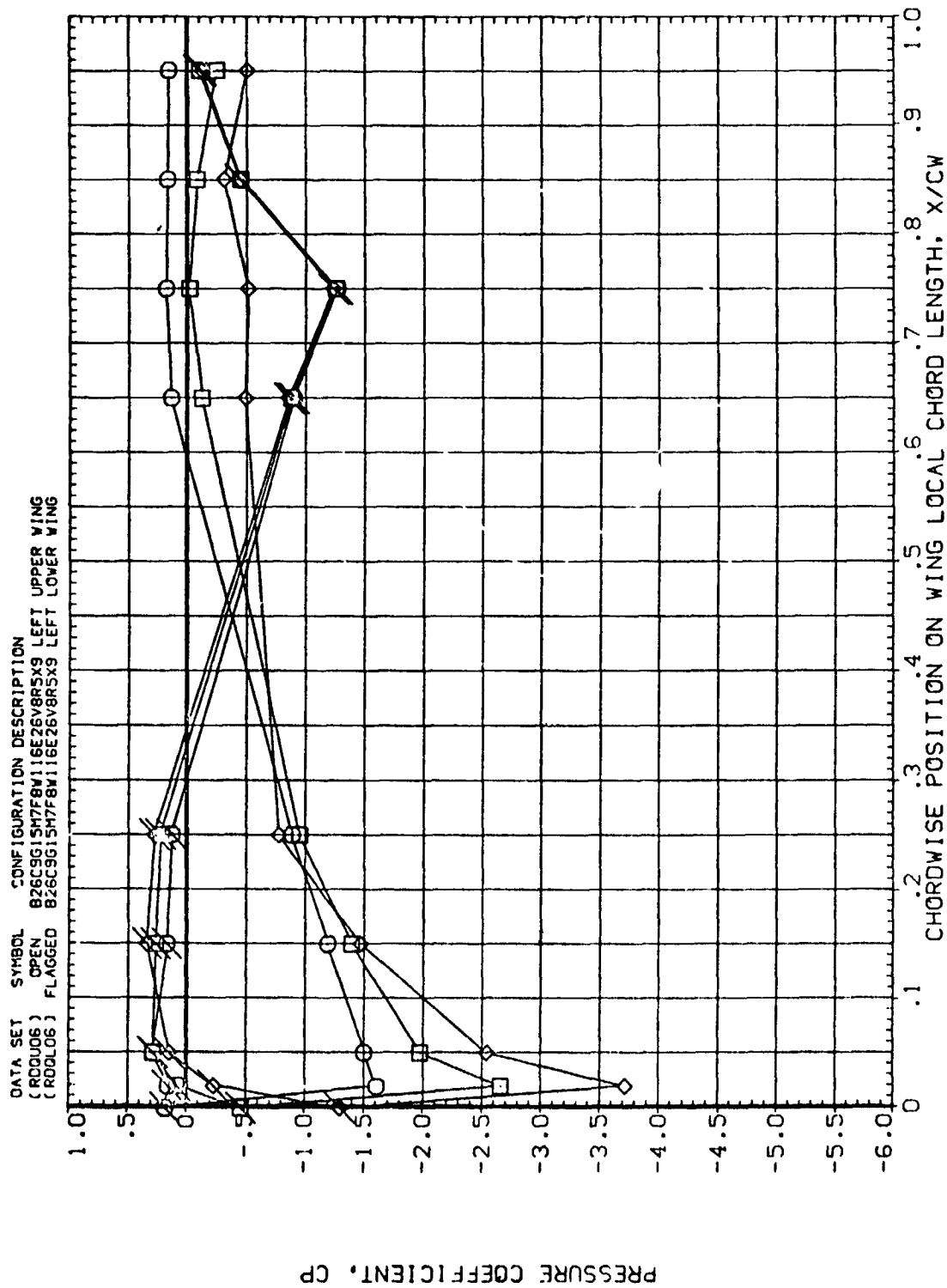


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
□	-2.980	.887	-10.060	ELEVON	-20.000	RUDDER
◇	.020			BOFLAP	-14.250	BETA
	5.020					-10.000

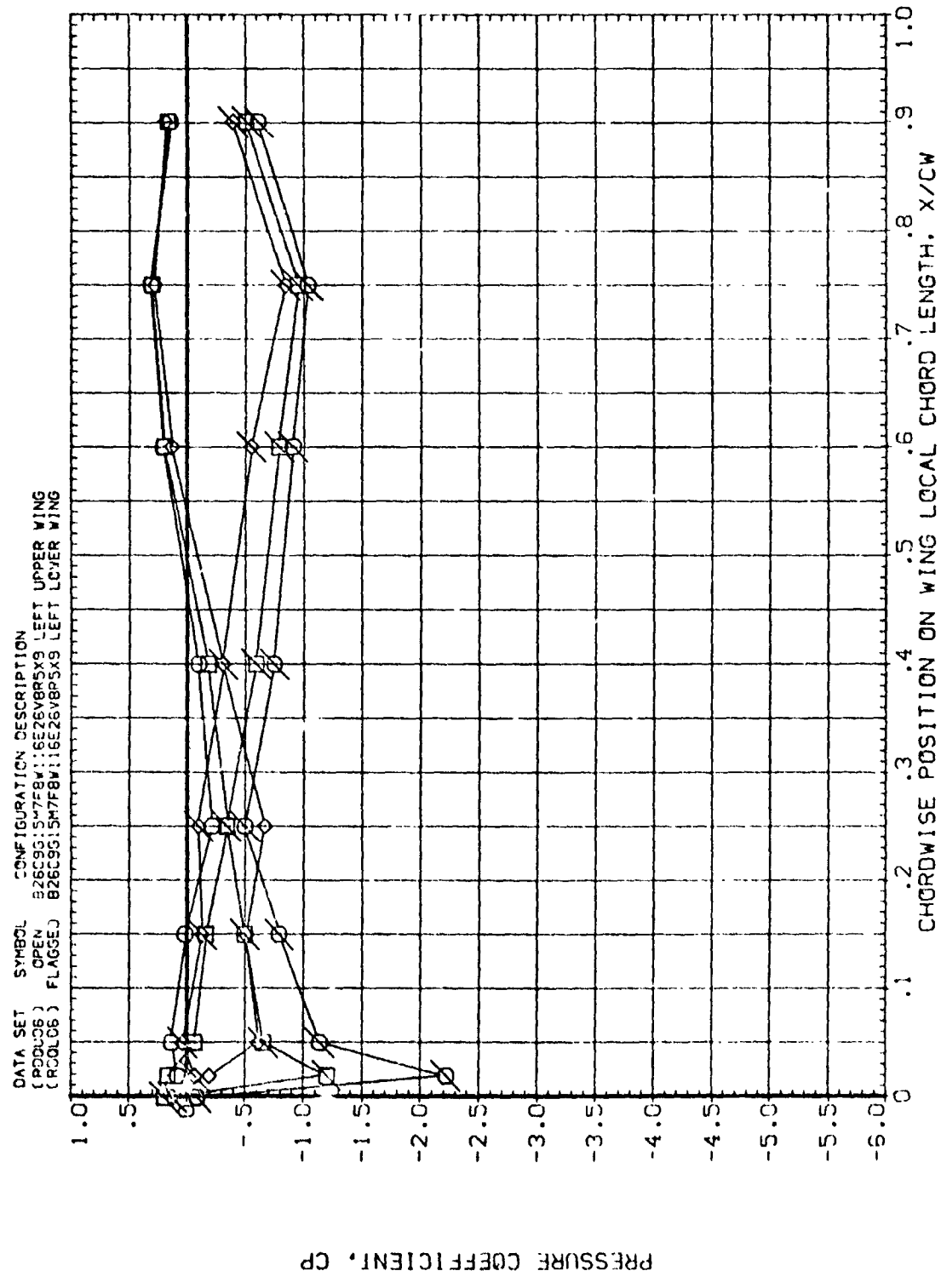


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL
○ □ ◇

ALPHA
10.090
13.190
16.220

Y/BV
.887

BETA
-10.060

PARAMETRIC VALUES
ELEVON
BD/FLAP

-20.000
-14.250

RUDDER
BETA

.000
-10.000

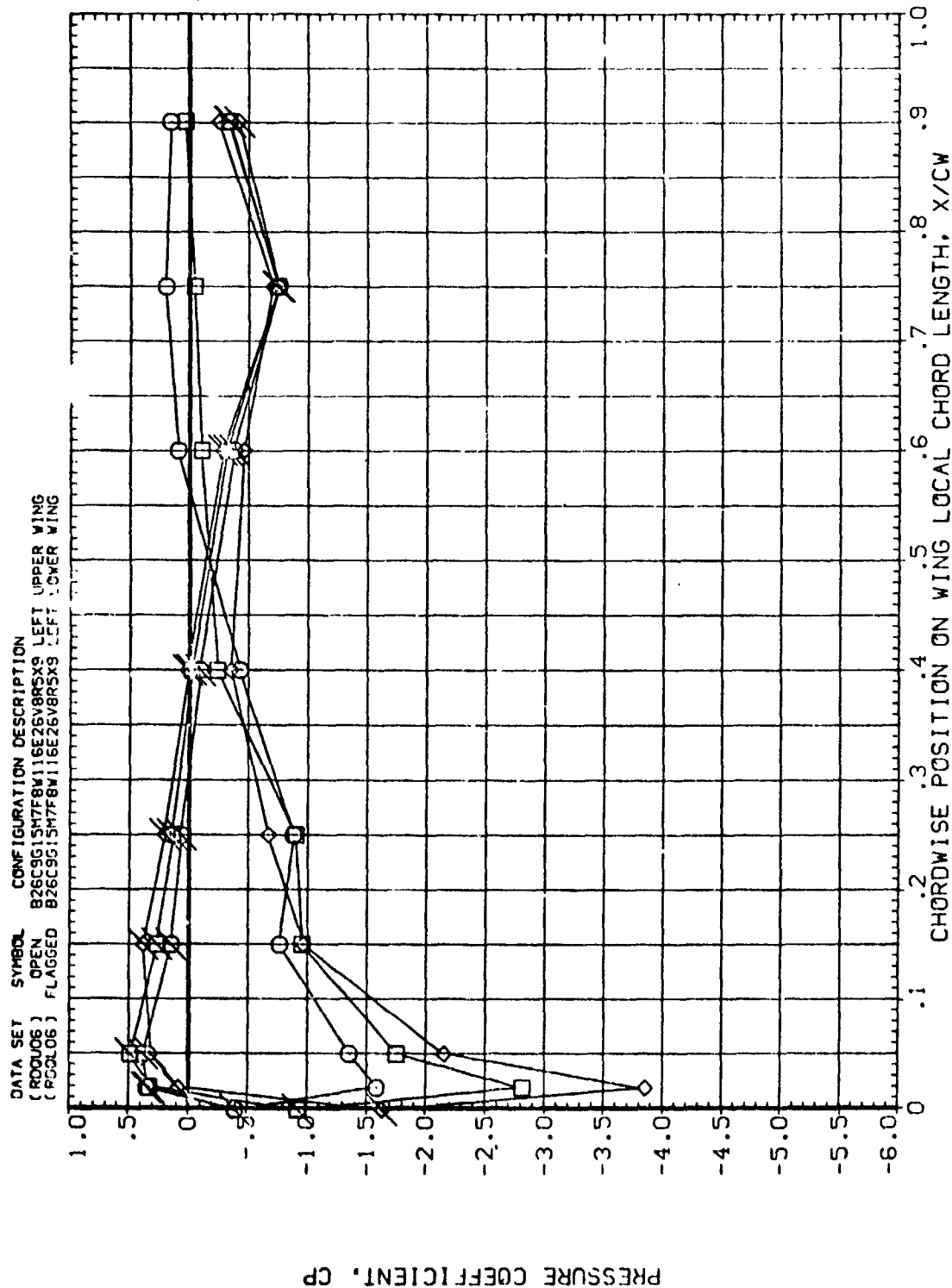


FIG. 28 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.950	.299	-0.010	ELEVON	-20.000 RUDDER
	.050			BOFLAP	-14.250 BETA
	5.030				.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P00.07) OPEN B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (P00.07) FLAGGED B26C9G15M7F8W116E26V8R5X9 LEFT LOWER WING

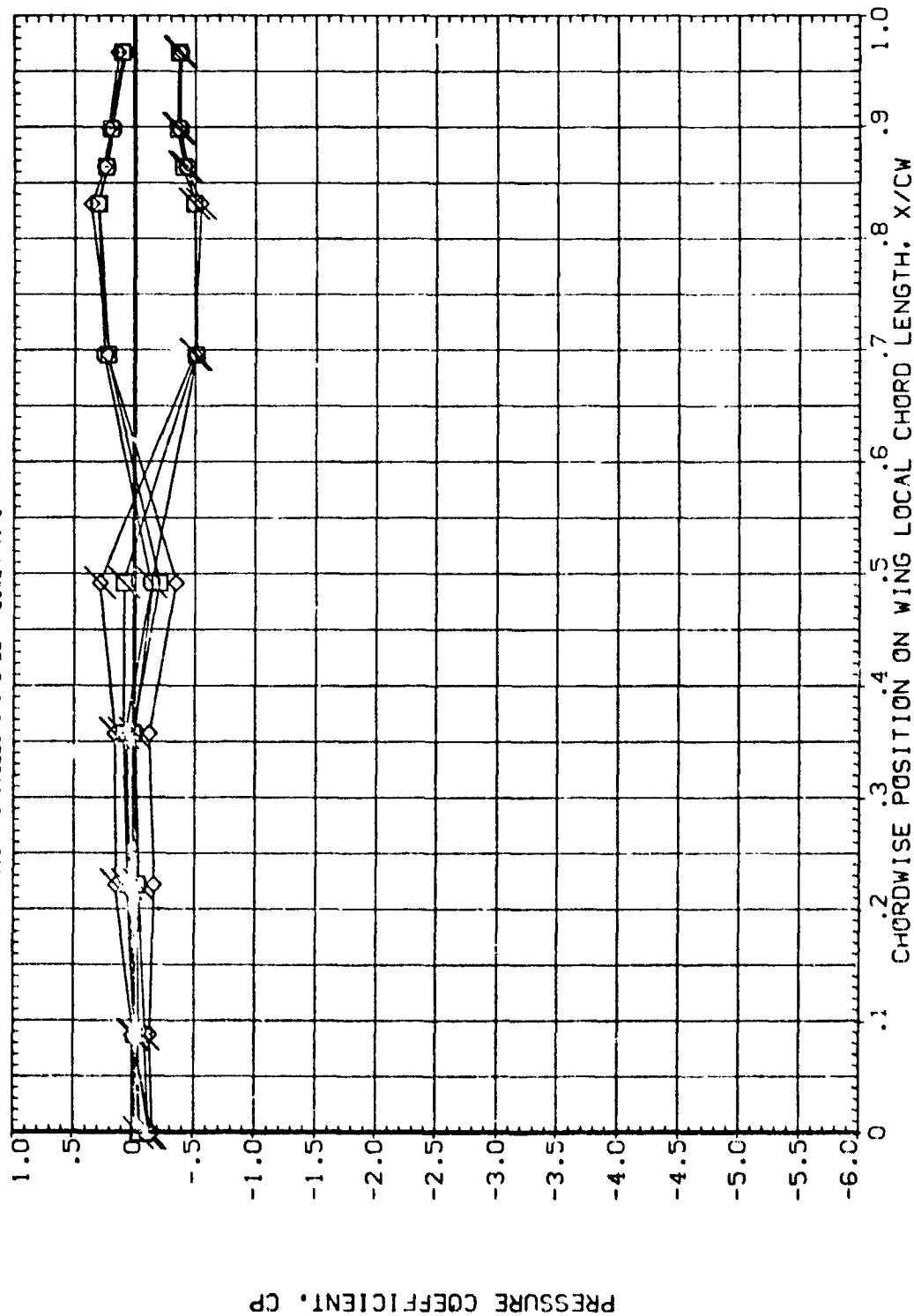


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL

ALPHA
10.100
13.220
16.240

Y/BV
.299

BETA
-.010

ELEVON
BOFLAP

PARAMETRIC VALUES
-20.000 RUDDER
-14.250 BETA

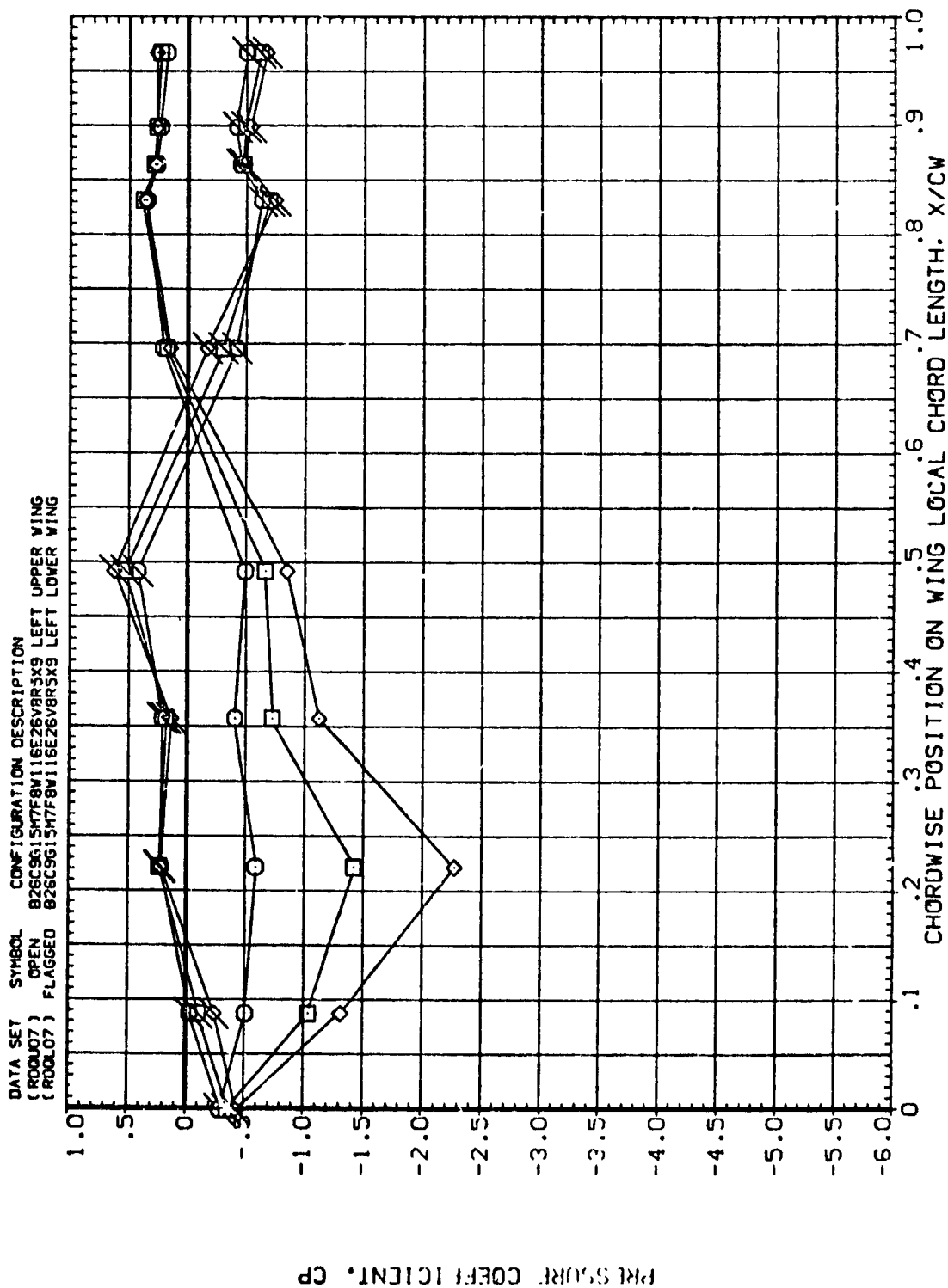


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.950 -0.050 5.030	.352	-.010	ELEVON BOFLAP	-20.000 -14.250
				RUDDER	.000
				BETA	.000

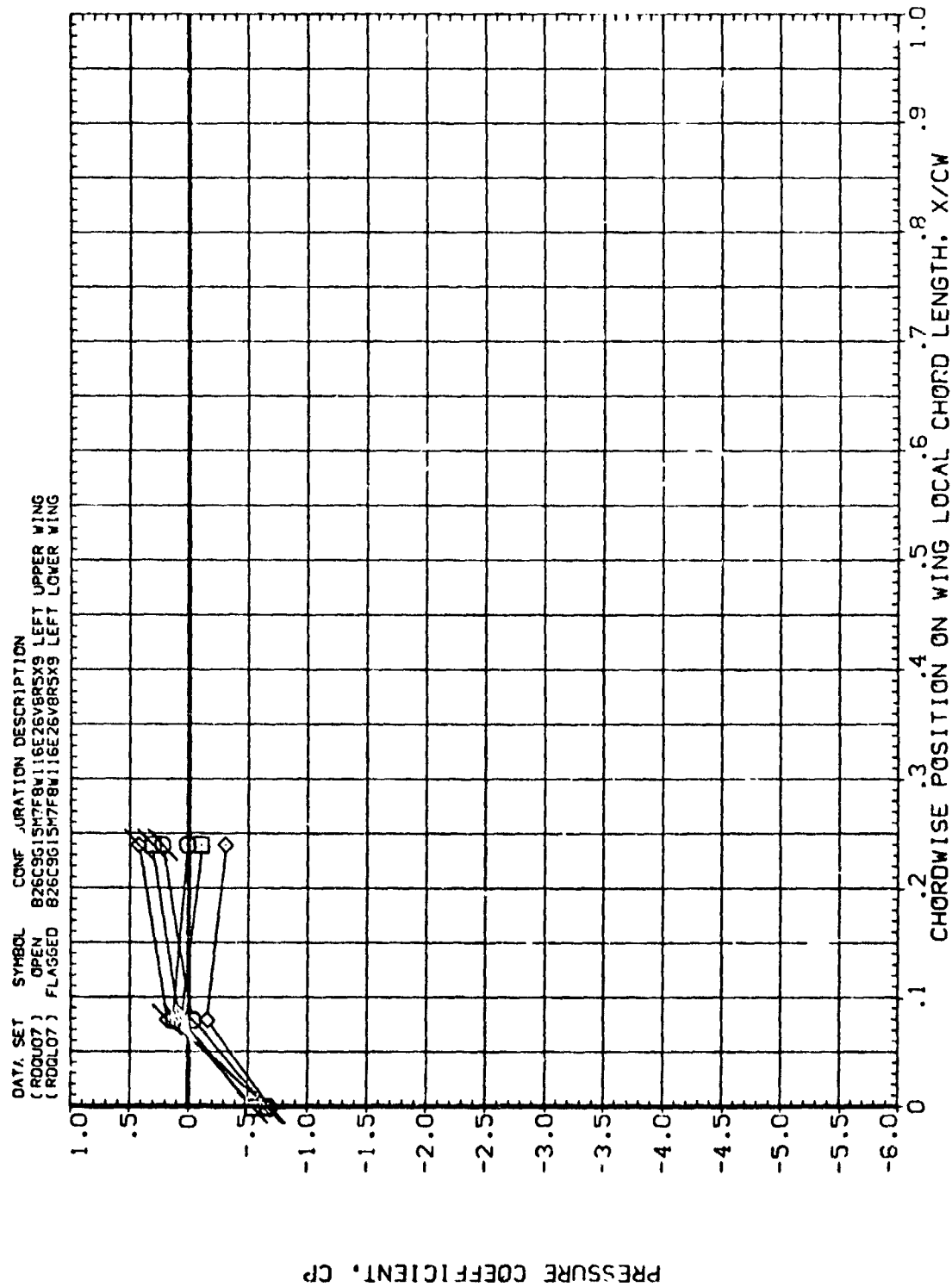


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

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PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA

SYMBOL ALPHA Y/BV BETA
 ○ 10.100 .352 -.010
 □ 13.220
 ◇ 16.240

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0C07) OPEN B26C9G15M758W116E26V8R5X9 LEFT UPPER WING
 (R0C07) FLAGGED B26C9G15M758W116E26V8R5X9 LEFT LOWER WING

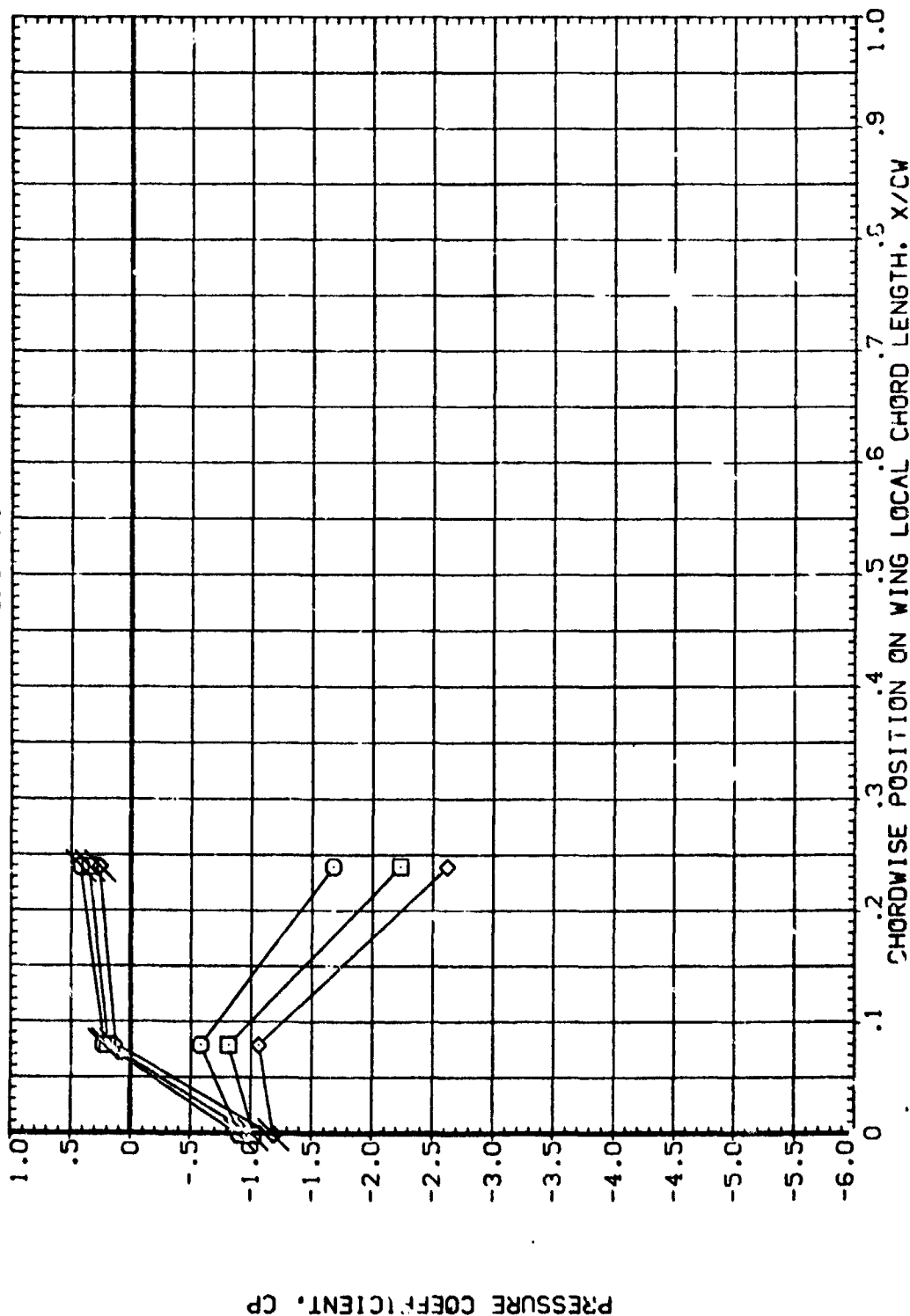


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA		PARAMETRIC VALUES
□	-2.950	.405	-0.010	ELEVON	-20.000 RUDDER
◇	.050			BDFLAP	-14.250 BETA
	5.030				.000

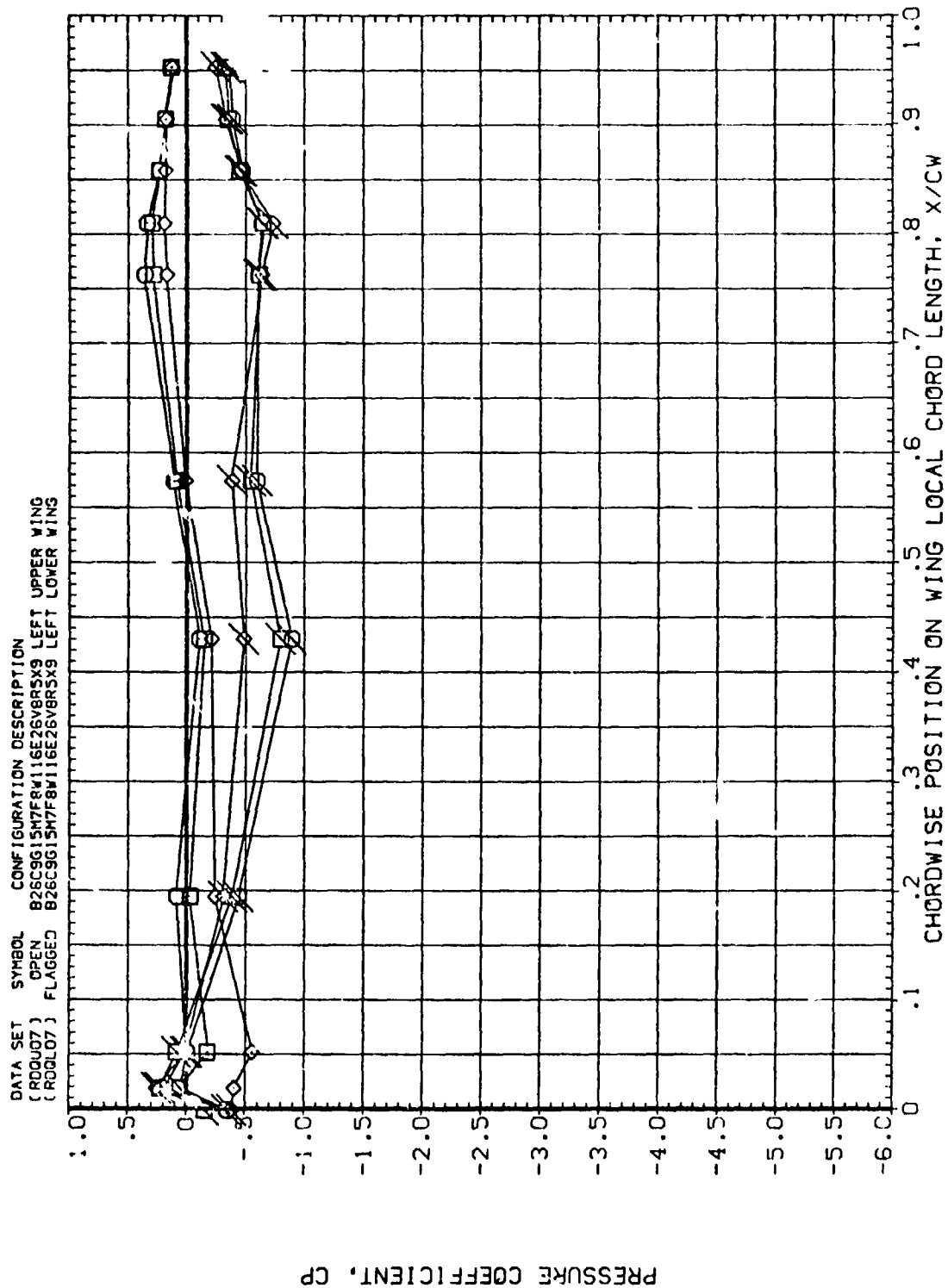


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL
 ○ □ ◇

ALPHA
 10.100
 13.220
 16.240

Y/BV .405
 BETA -.010

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA .000

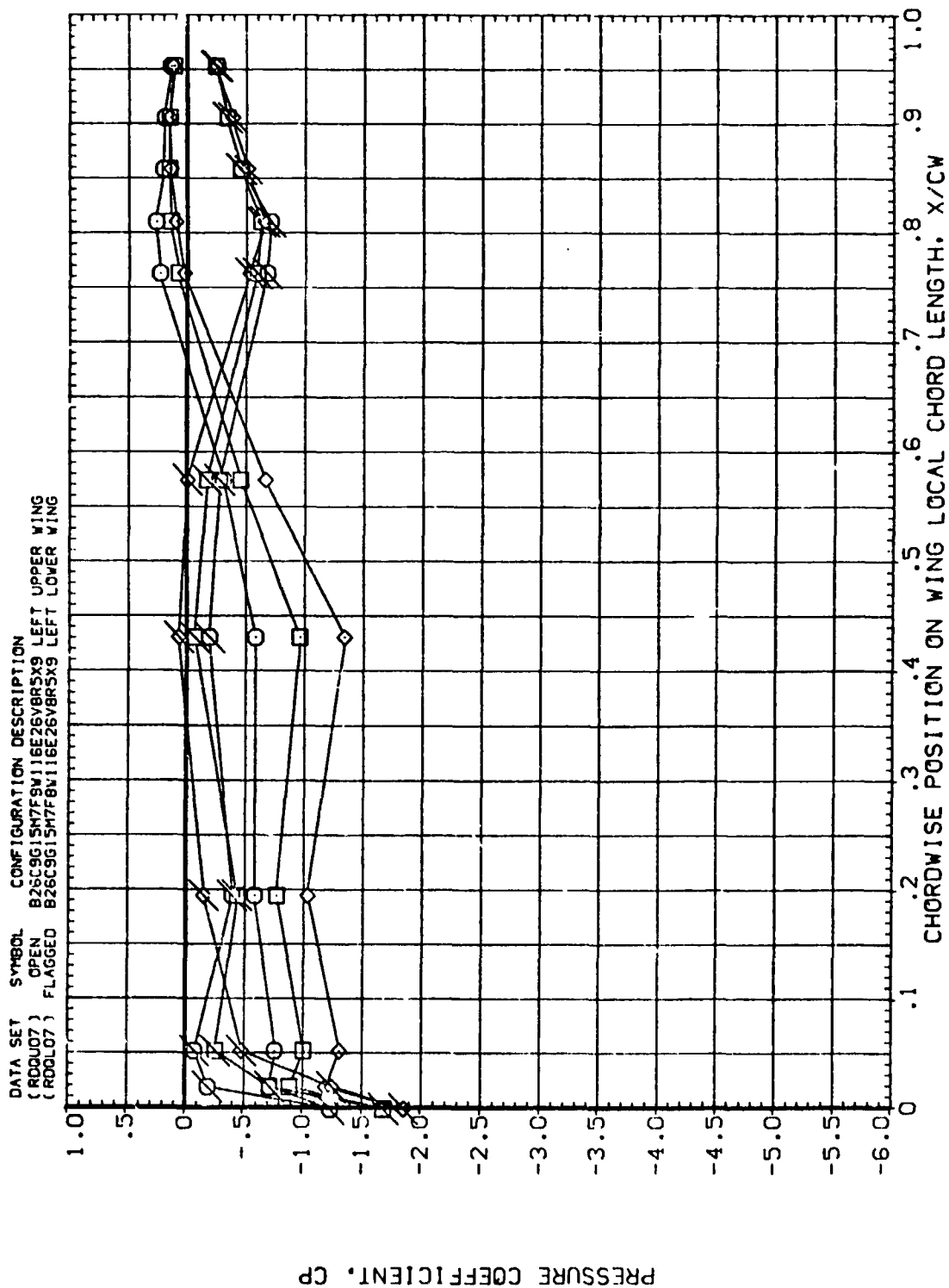


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
◇	-2.95	.534	-.010	ELEVON	-20.000
□	-.050			BOFLAP	-14.250
◇	5.030			RUDDER	.000
				BETA	.000

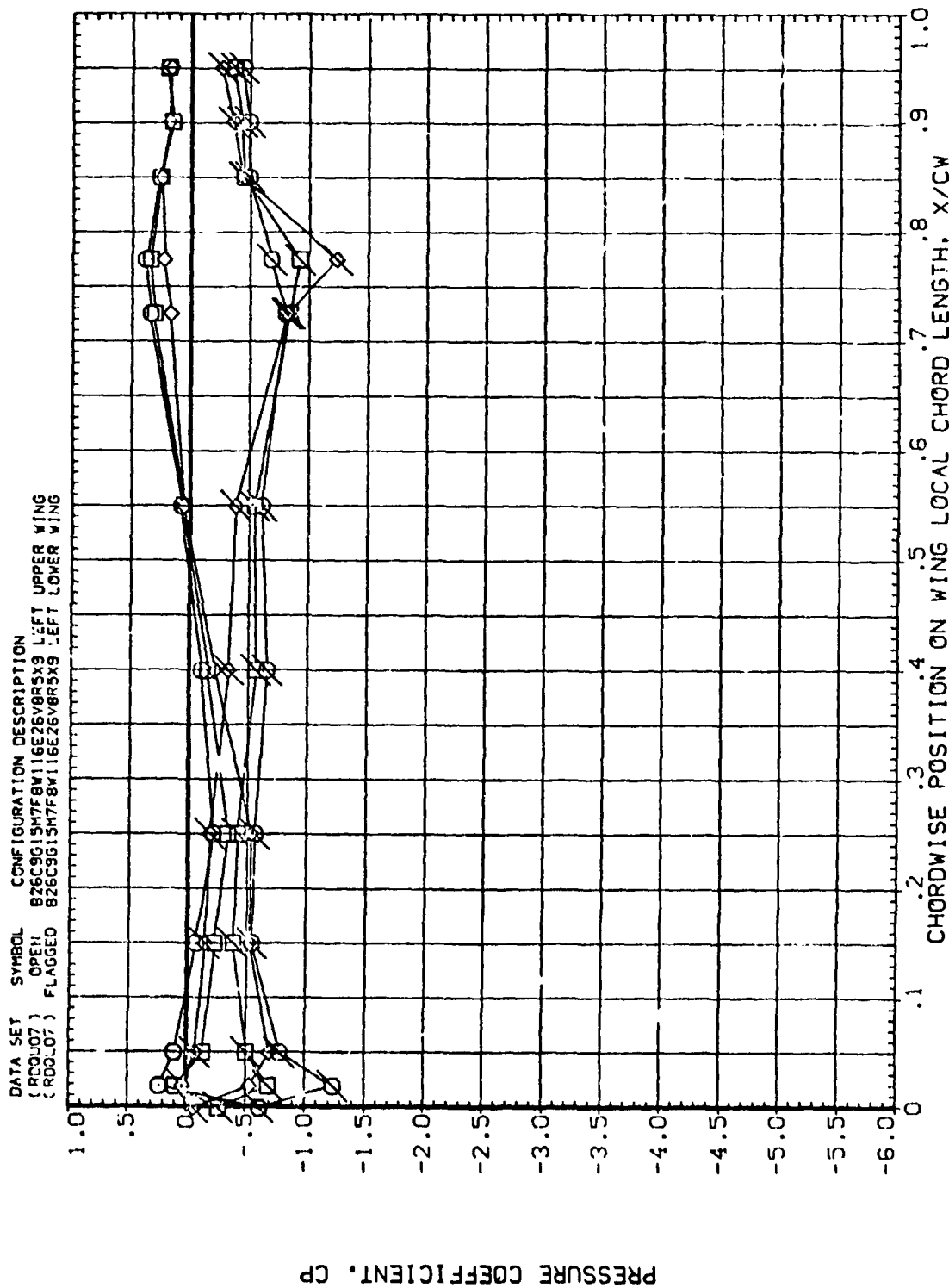


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

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SYMBOL	ALPHA	Y/BW	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.100	.534	-.010	-20.000	-14.250	R/CDER .000
□	13.220					BETA .000
◇	16.240					

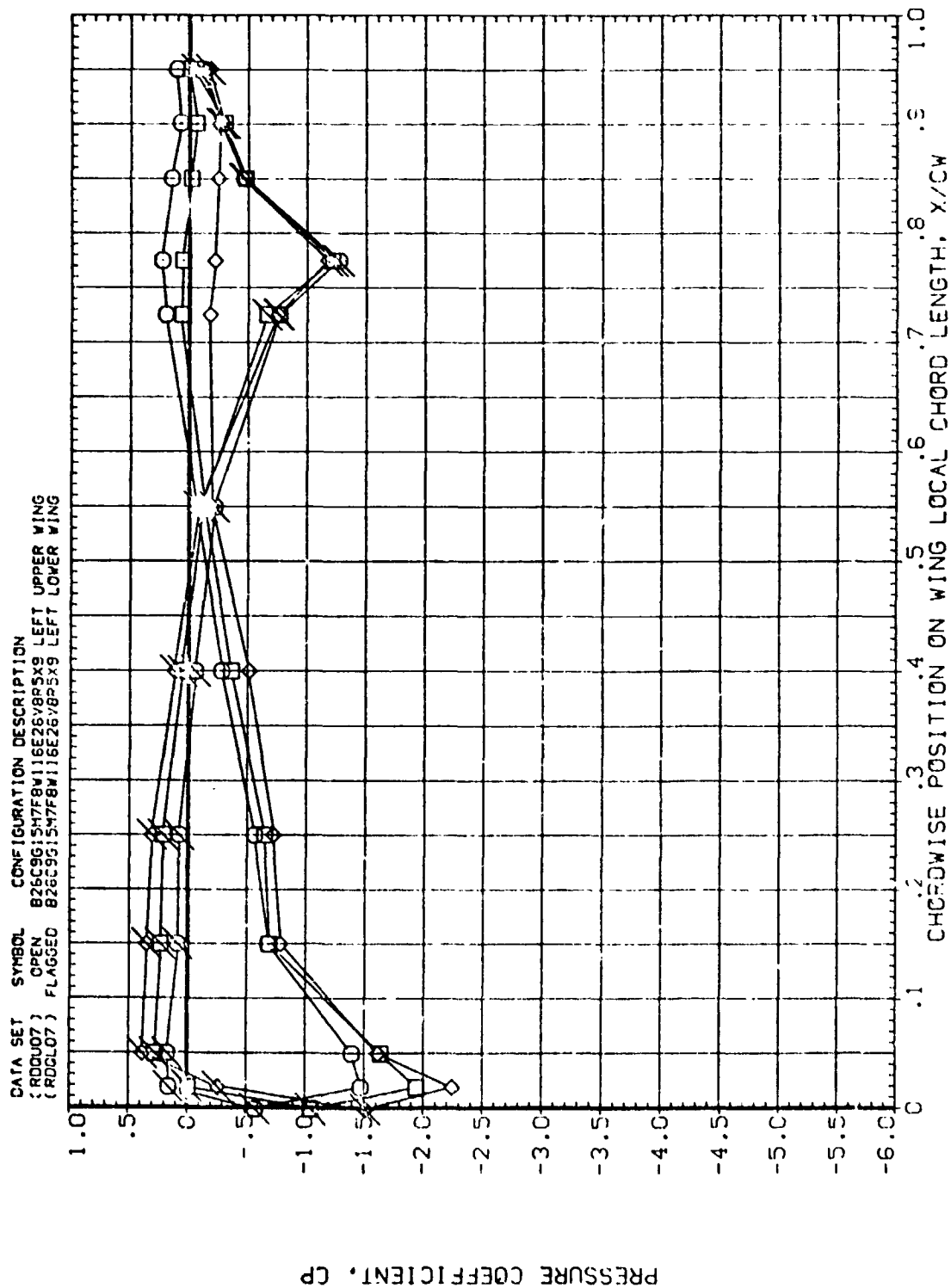


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
□	-2.950	.673	-.010	ELEVON -20.000 RUDDER .000
◇	.050			BDFLAP -14.250 BETA .000
◇	5.030			

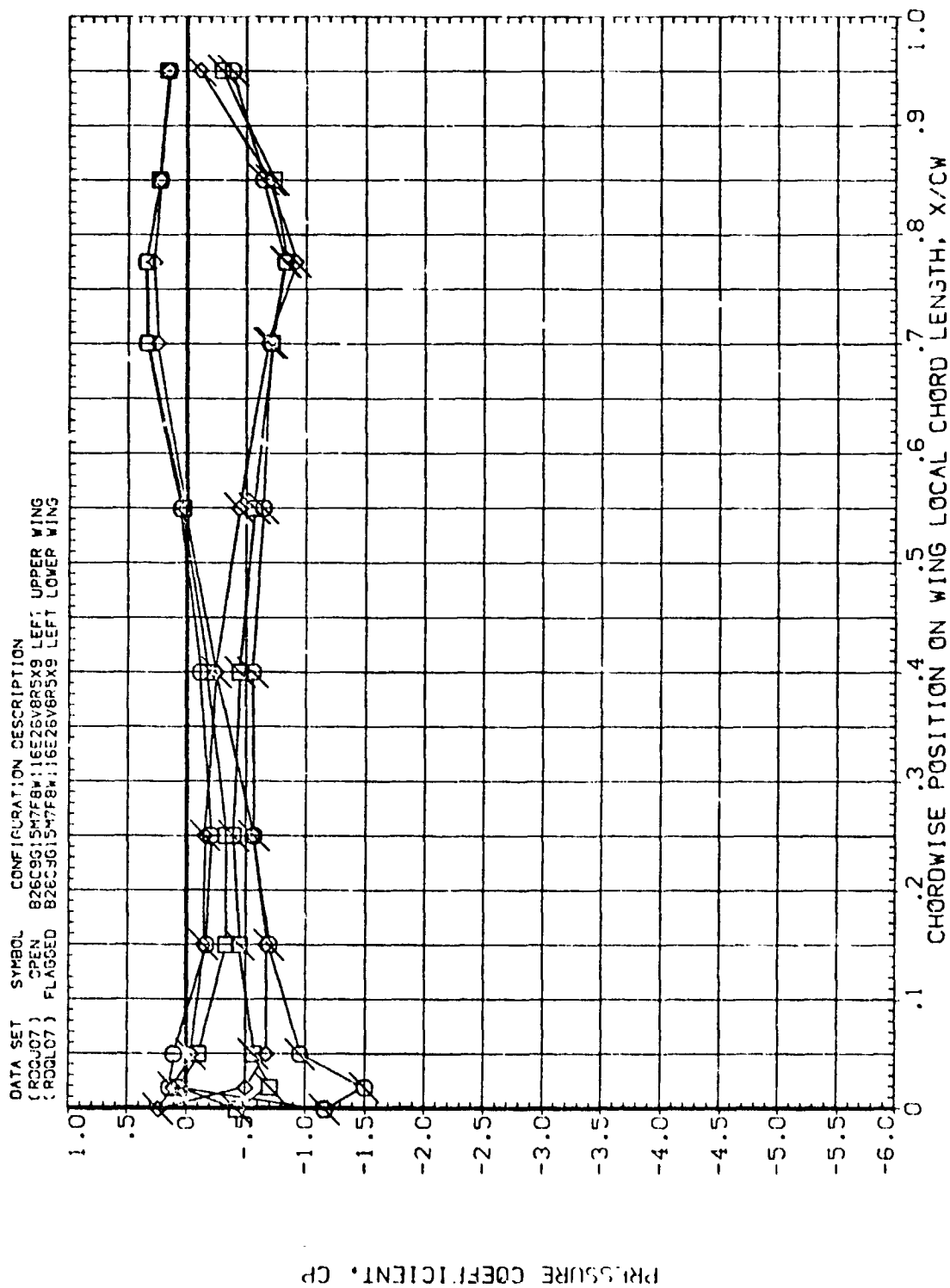


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES		
○	10.100	.673	-0.010	ELEVON	-20.000	RUDDER
□	13.220			BDFLAP	-14.250	BETA
◇	16.240					

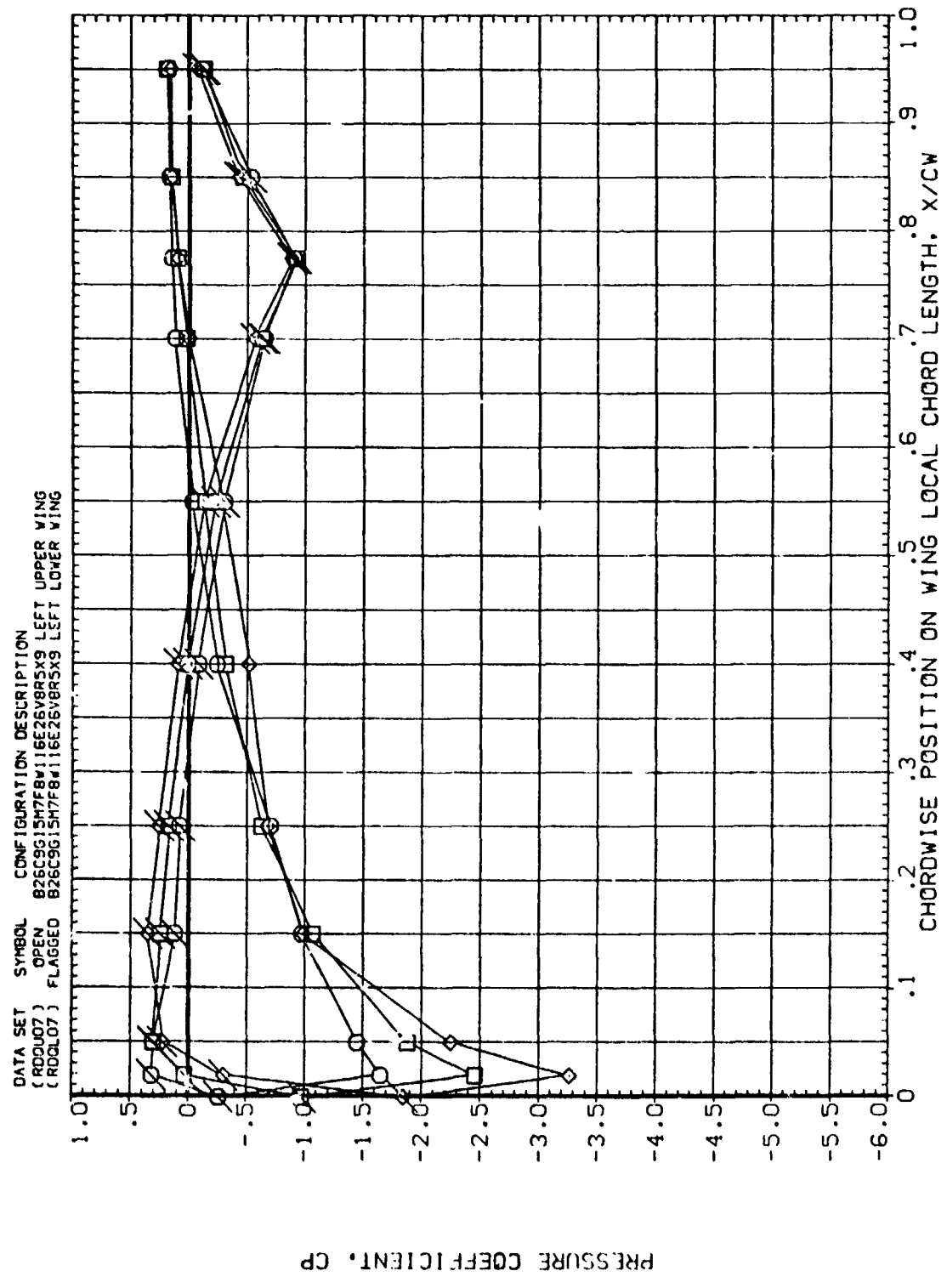


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

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SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.780	-0.010	ELEVON	-20.000
◇	.050			BDFLAP	-14.250
	5.030				BETA
					.000
					.000

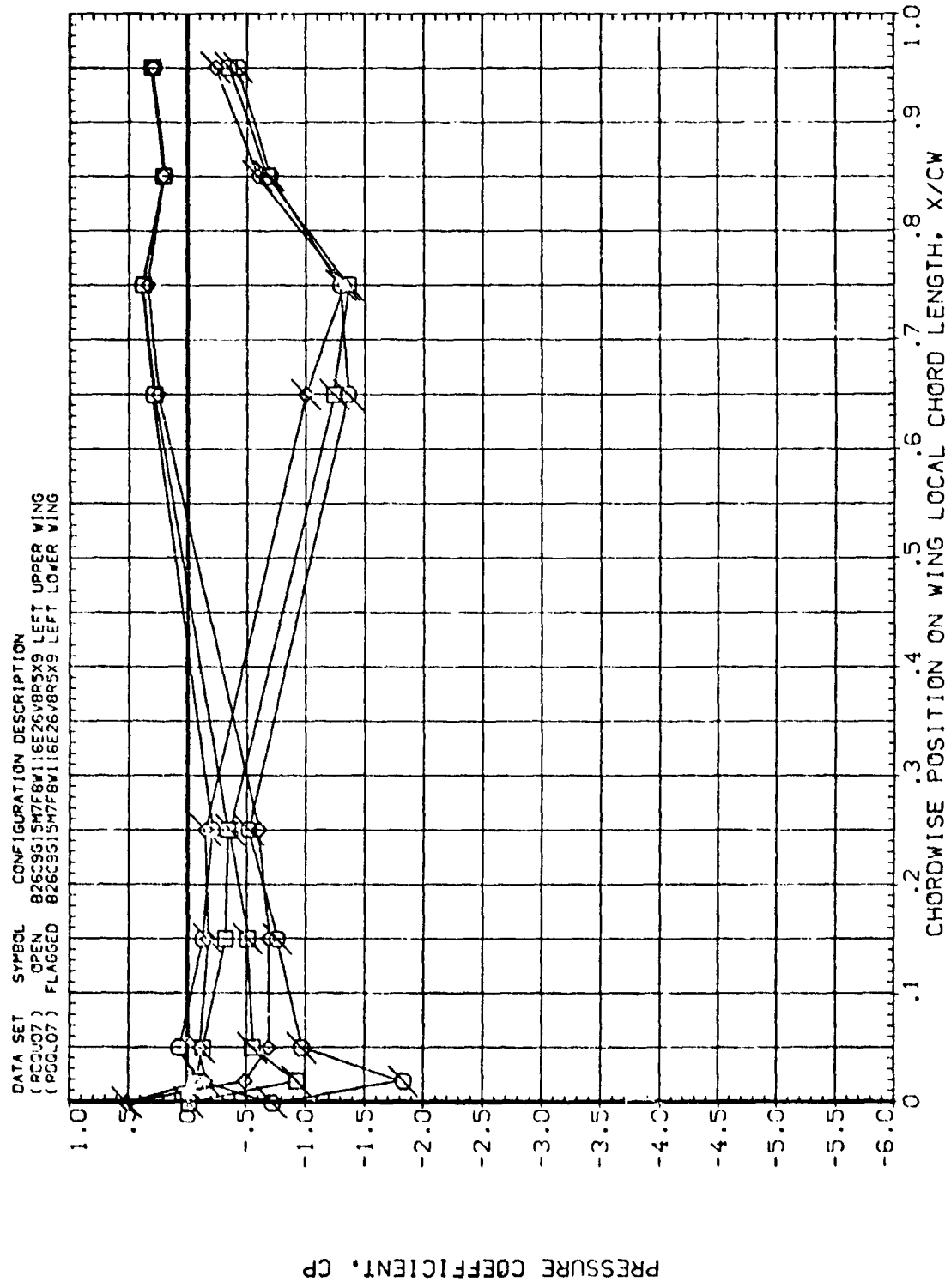


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

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PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BV BETA
10.100 .780 -.010
13.220
16.240

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(R00U07) OPEN 826C9G15H7F8V116E26V8R5X9 LEFT UPPER WING
(R00L07) FLAGGED 826C9G15H7F8V116E26V8R5X9 LEFT LOWER WING

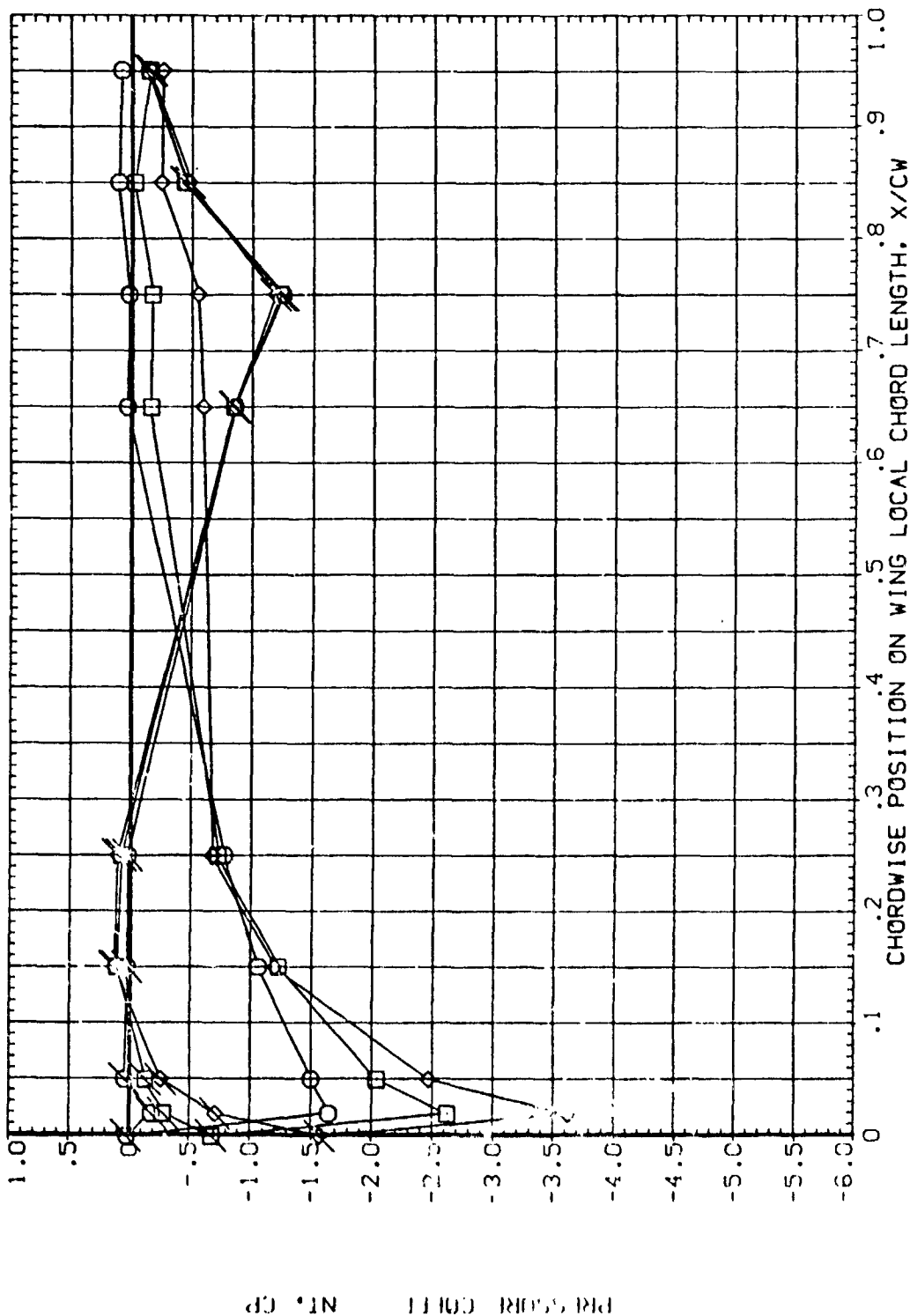


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

1100 200

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	RDFLAP	PARAMETRIC VALUES
□	-2.950	.887	-.010	-20.000		RUDDER .000
◇	.050			-14.250	BETA	.000
◇	5.030					

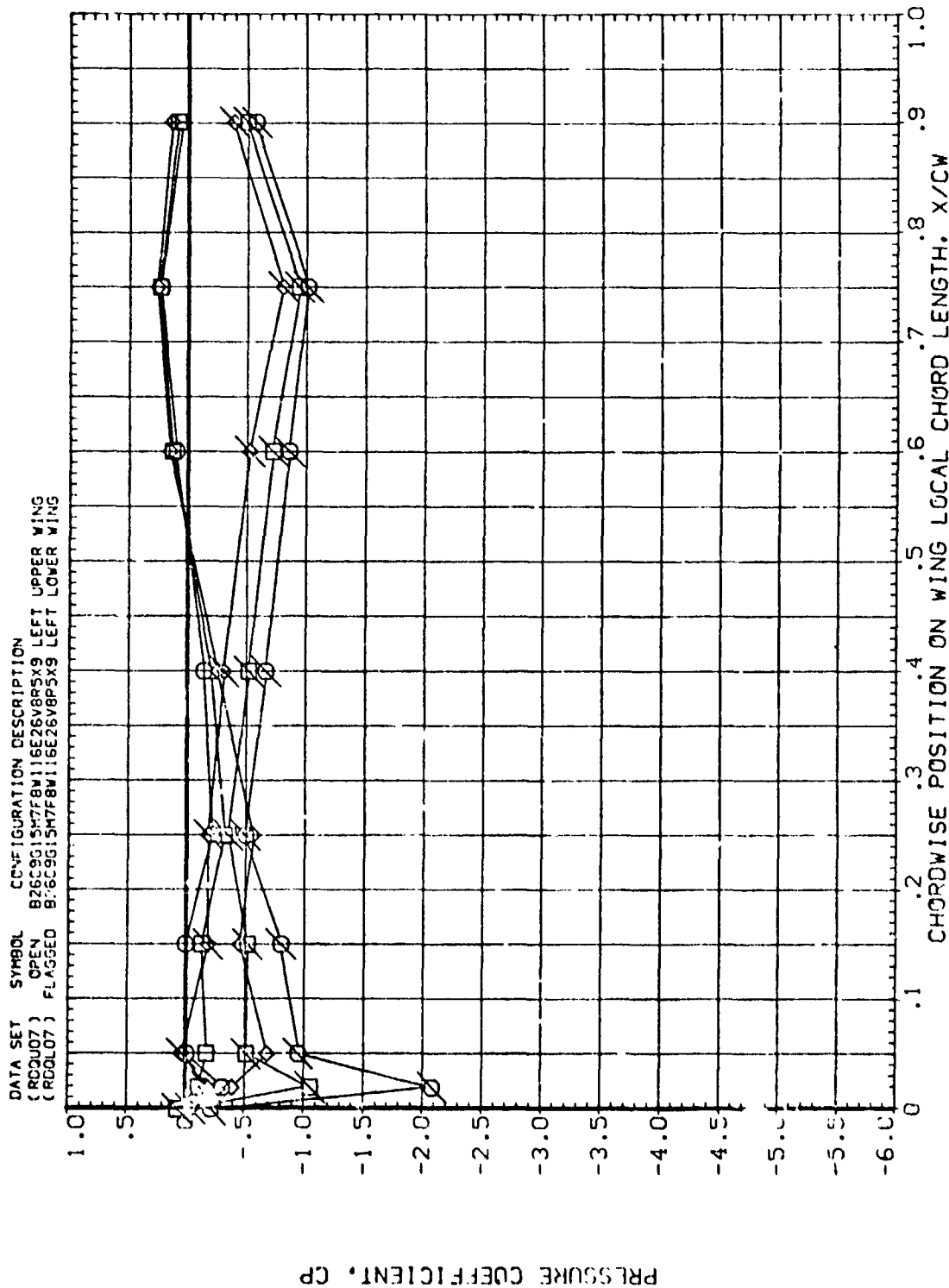


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
○	10.100	.887	-.010	ELEVON	-20.000	RUDDER
□	13.220			BDFLAP	-14.250	BETA
◇	16.240					.000

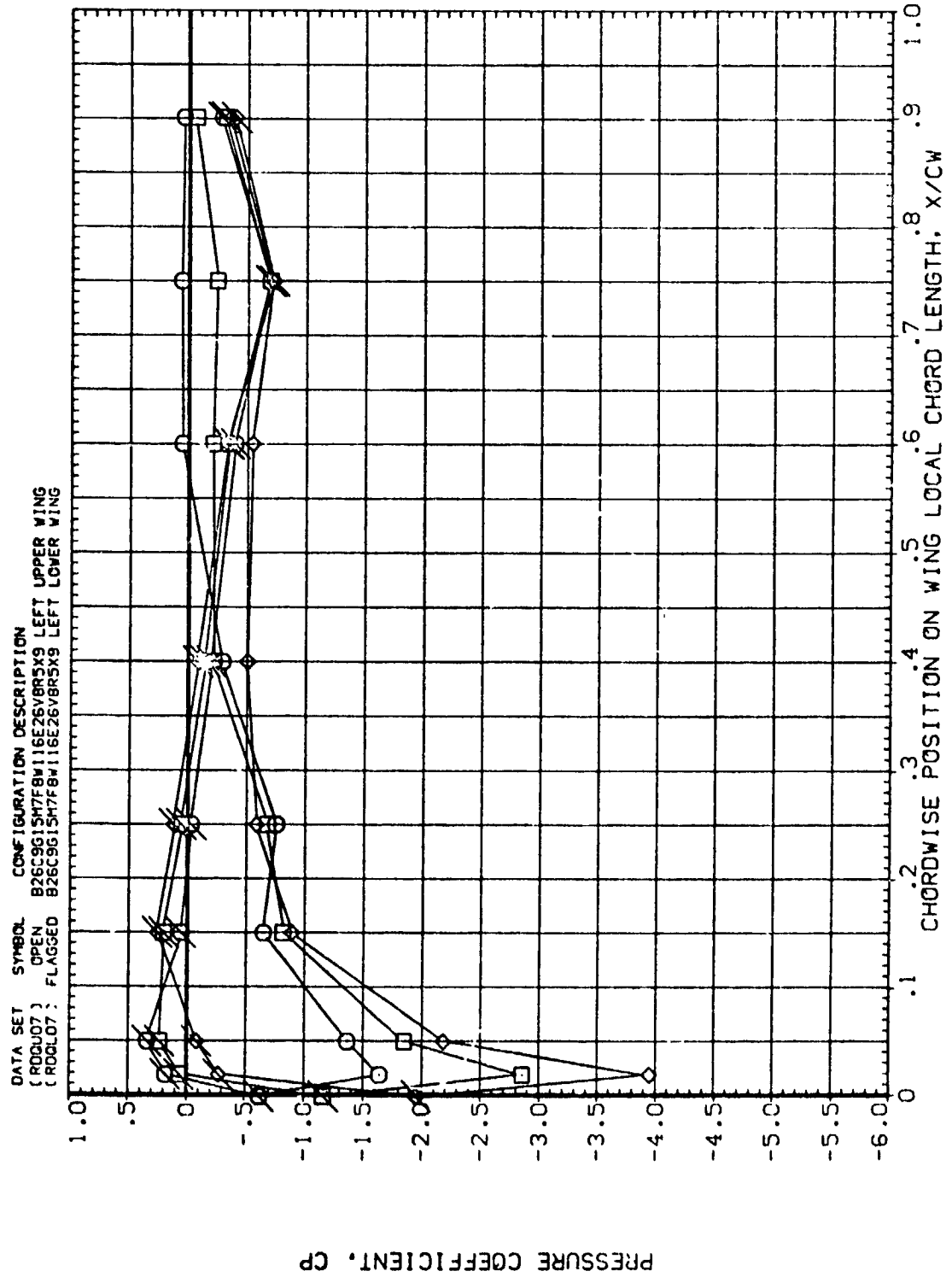


FIG. 29 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = 0

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SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	-2.970	.299	10.050	ELEVON	-20.000
□	.030			8DFLAP	-14.250
◇	5.020			RUDDER	10.000
				BETA	

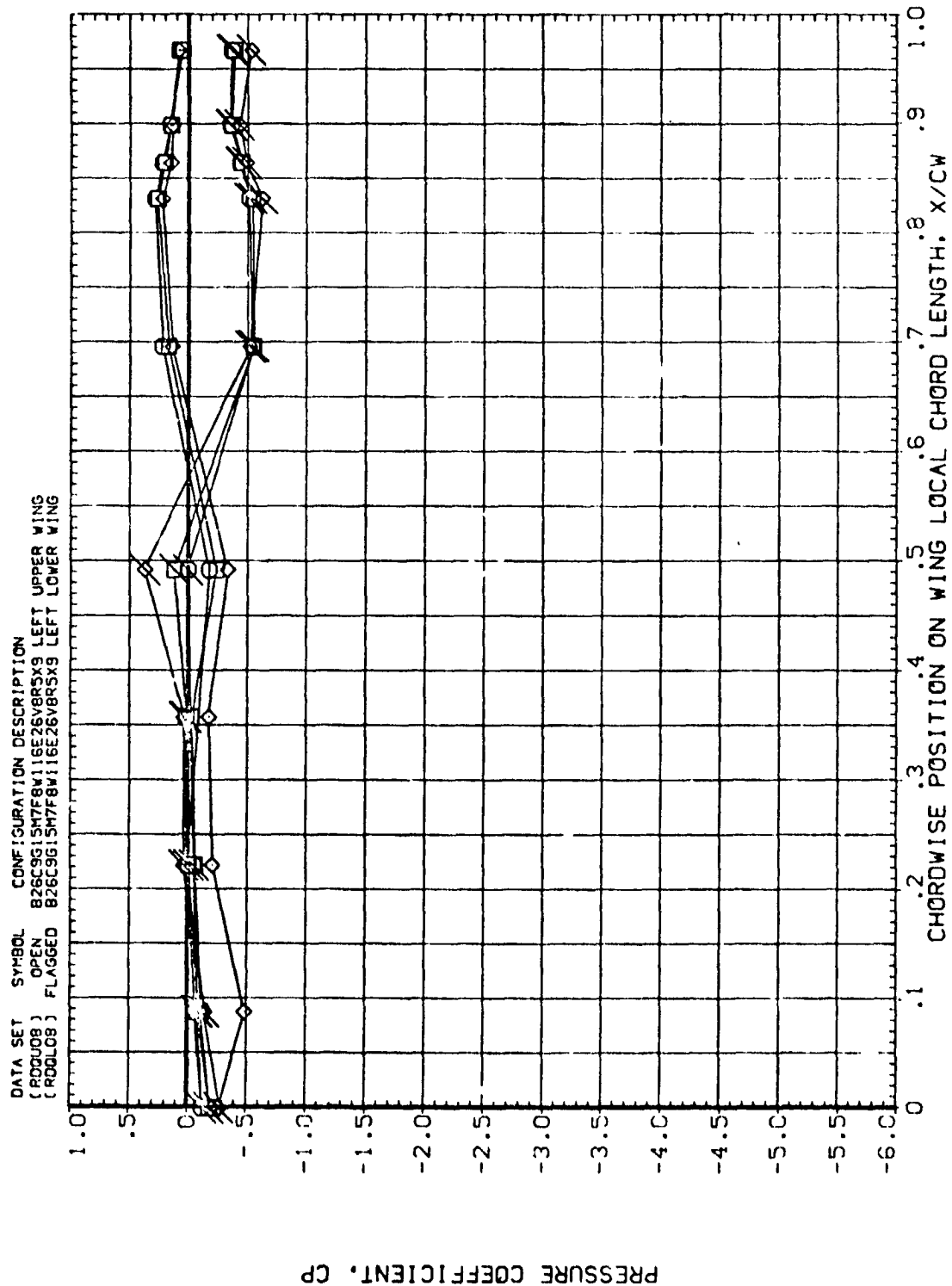


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

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ORIGINAL PAGE IS POOR

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.120	.299	10.050	ELEVON -20.000 RUDDER .000
□	13.190			BOFLAP -14.250 BETA :0.000
◇	16.220			

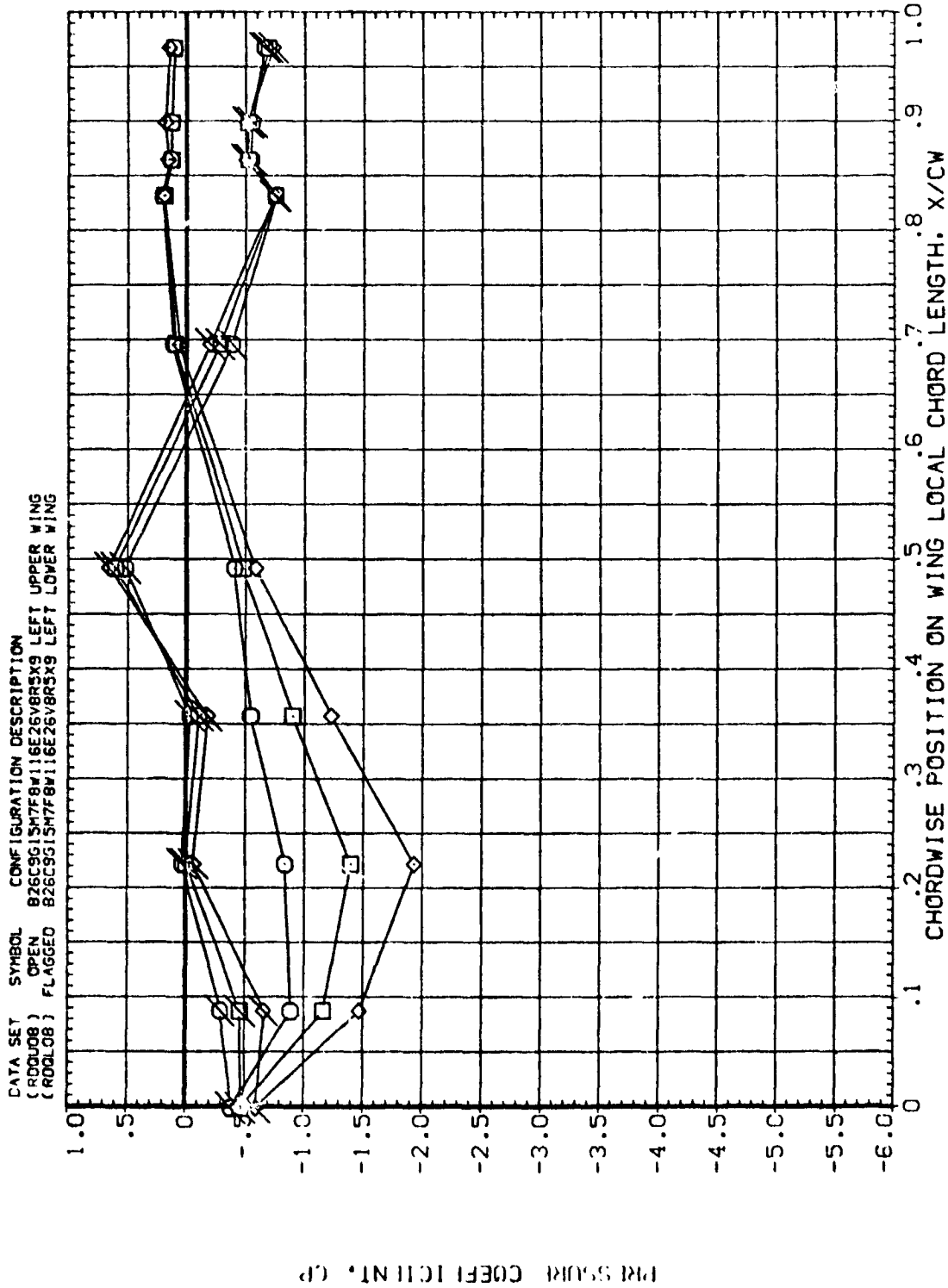


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.352	10.050	-20.000	RUDDER
□	.030			-14.250	BETA
◇	5.020			10.000	

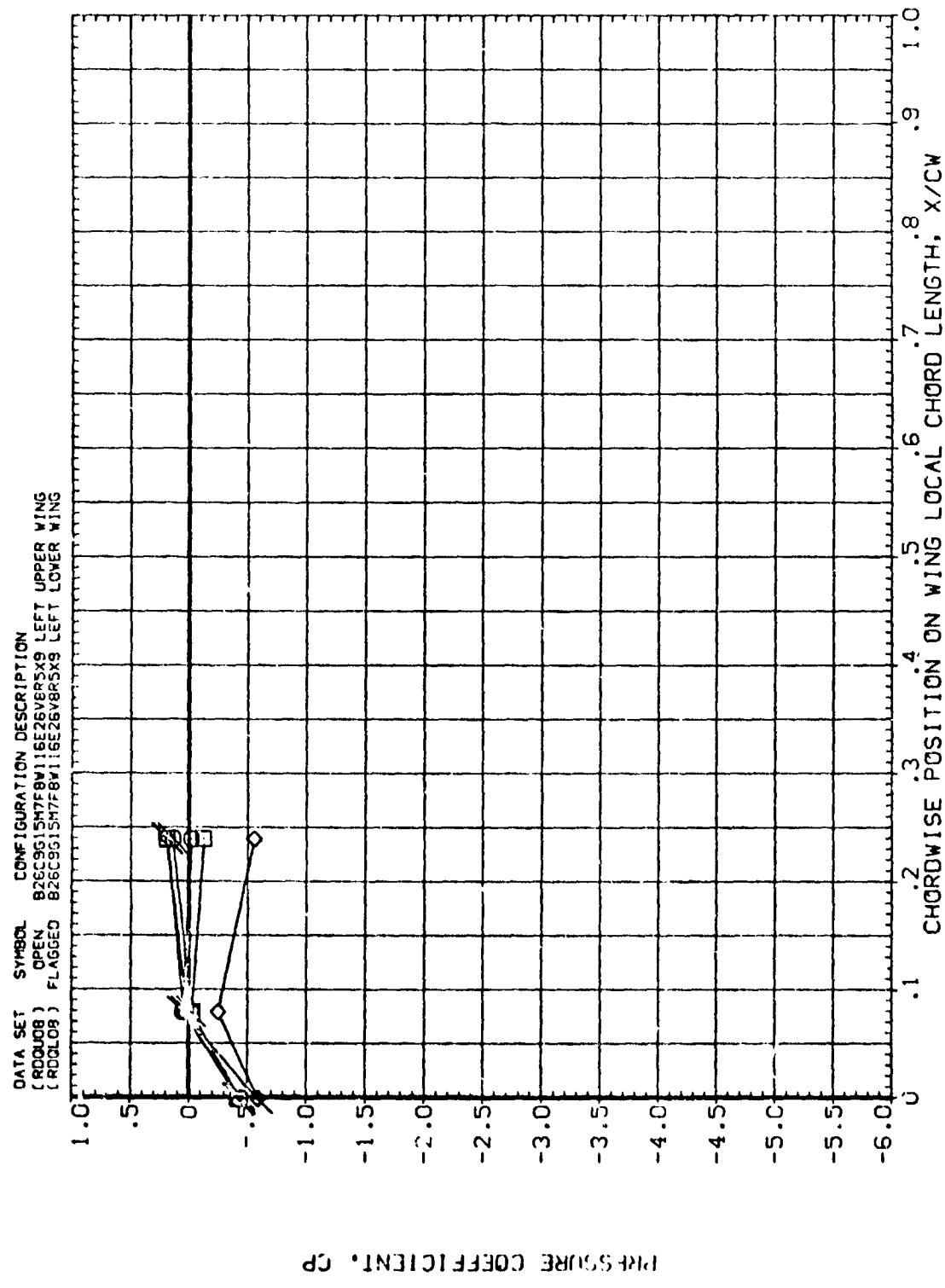


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

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SYMBOL	ALPHA	V/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.322	10.050	-20.000	RUDDER .000
□	13.190			-14.250	BETA 10.000
◇	16.220				

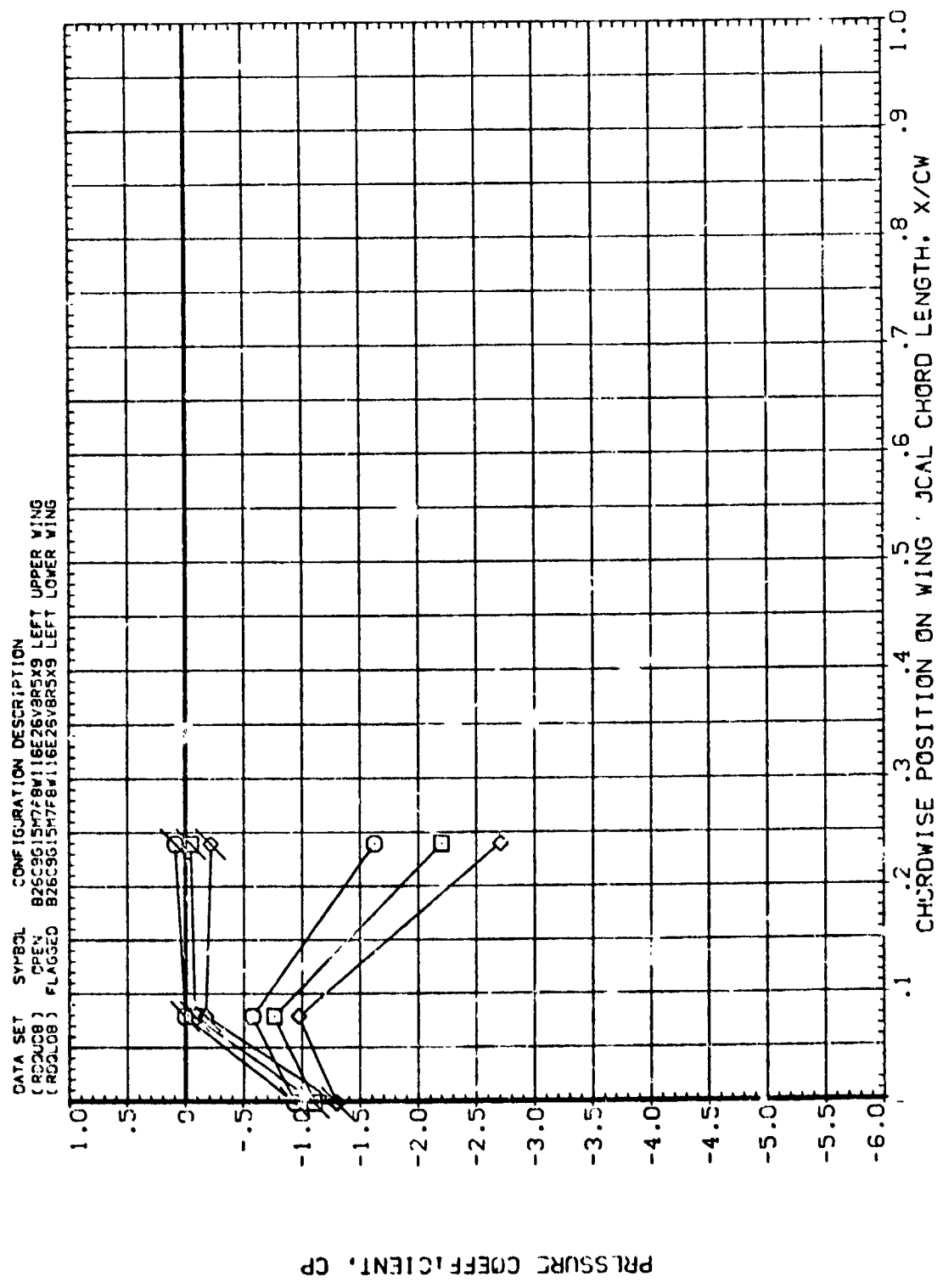


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
○	-2.970	.405	10.050	ELEVON	-20.000
□	.030			BOFLAP	-14.250
◇	5.020			RUDDER	.000
				BETA	10.000

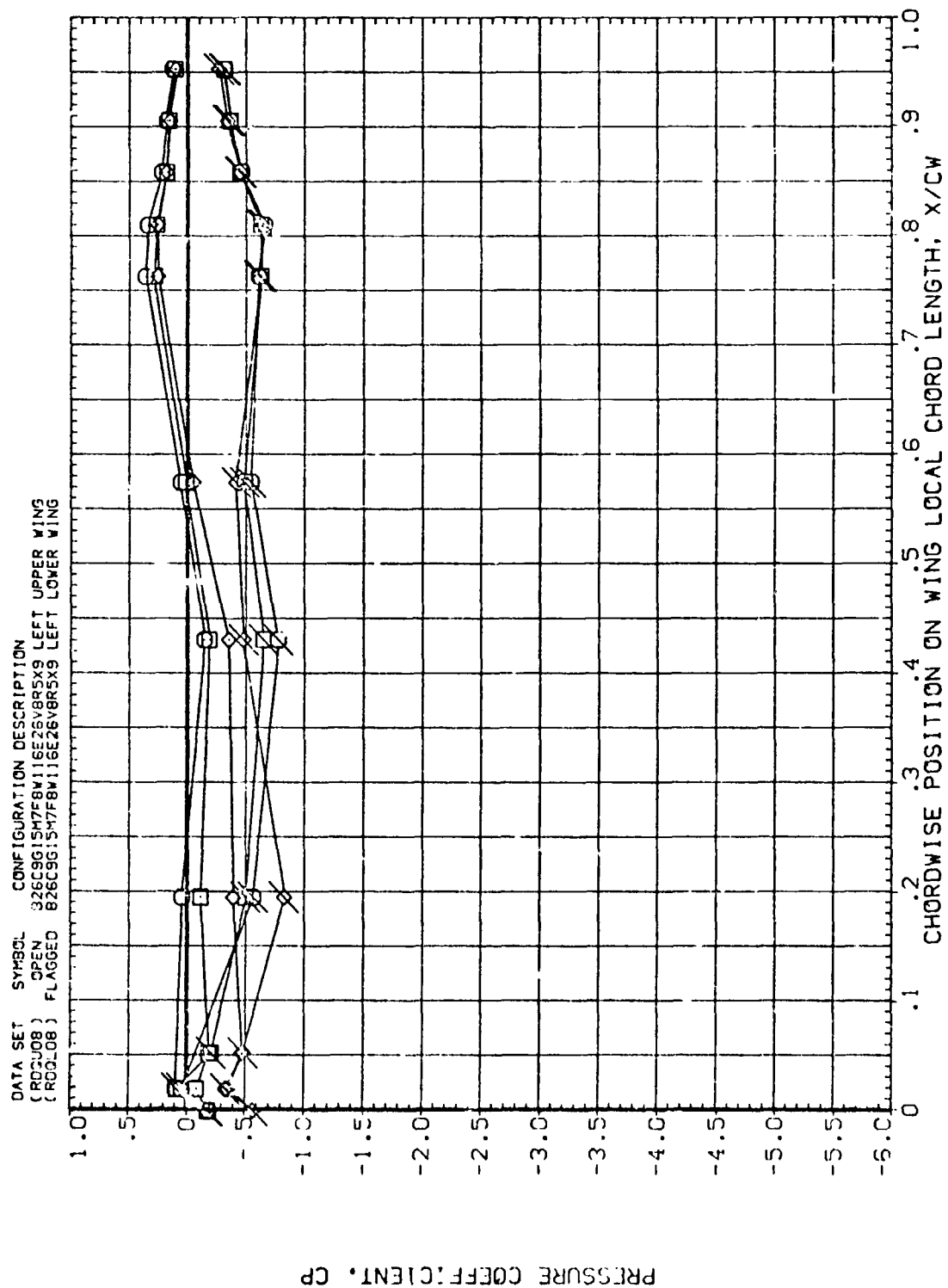


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
	10.120	.405	10.050	-20.000	RUDDER .000
□	13.190			80FLAP -14.250	BETA 10.000
◇	16.220				

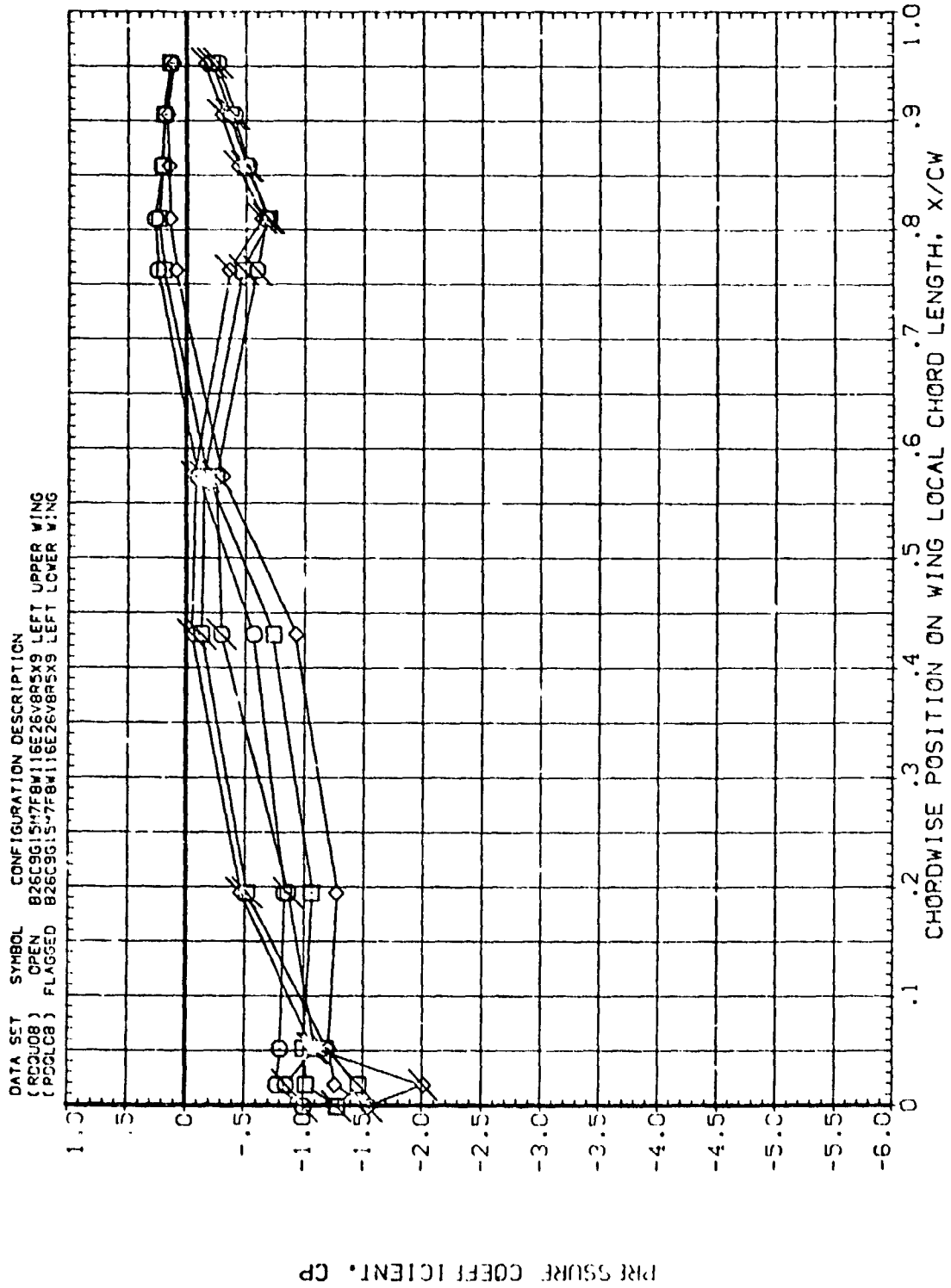


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
□	-2.970	.534	10.050	ELEVON	-20.000
◇	.030			BDFLAP	-14.250
◇	5.020				BETA
					10.000

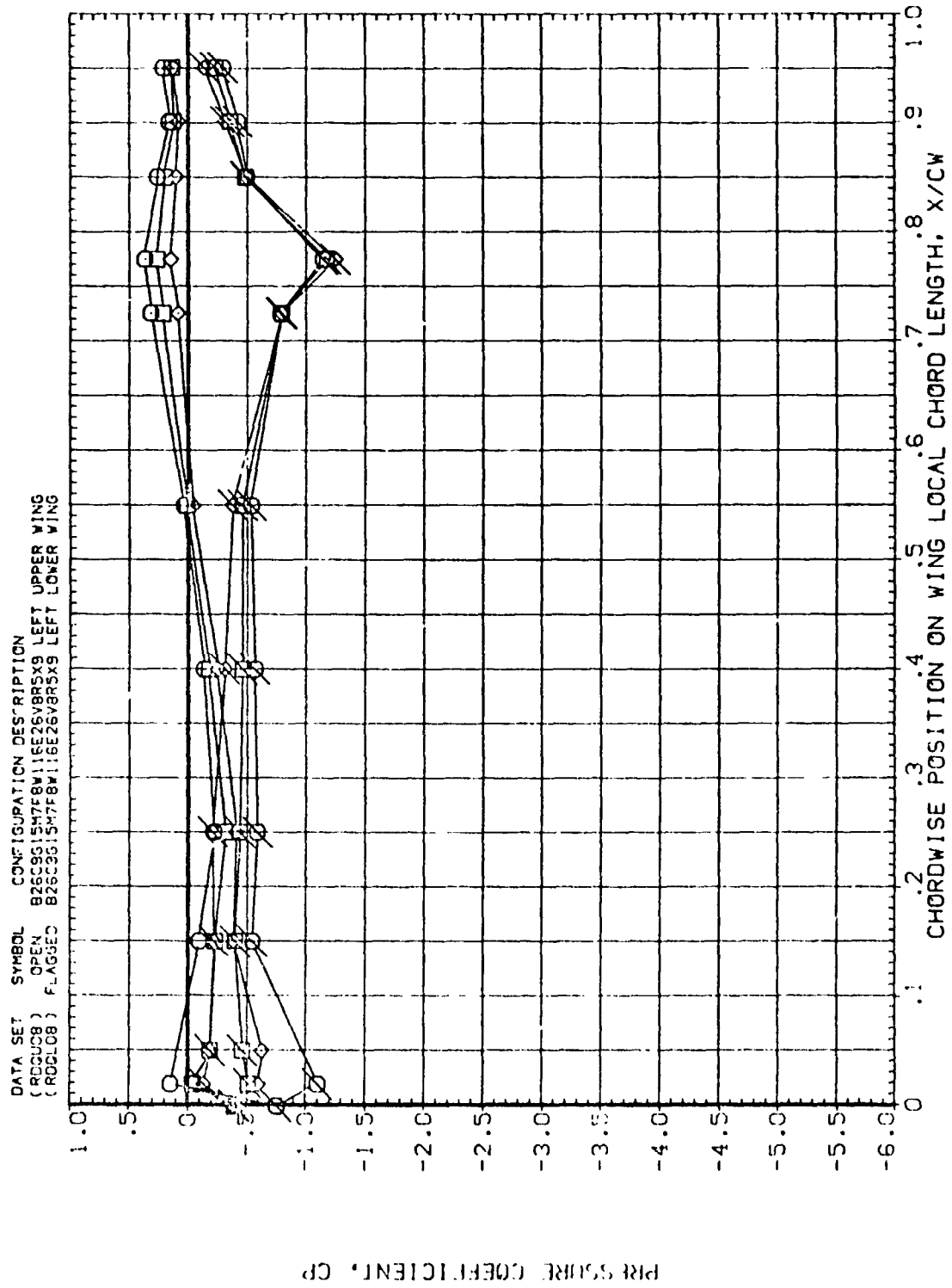


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
◇	10.120	.534	10.050	ELEVON -20.000 RUDDER .000
□	13.190			BDFLAP -14.250 BETA 10.000
◇	16.220			

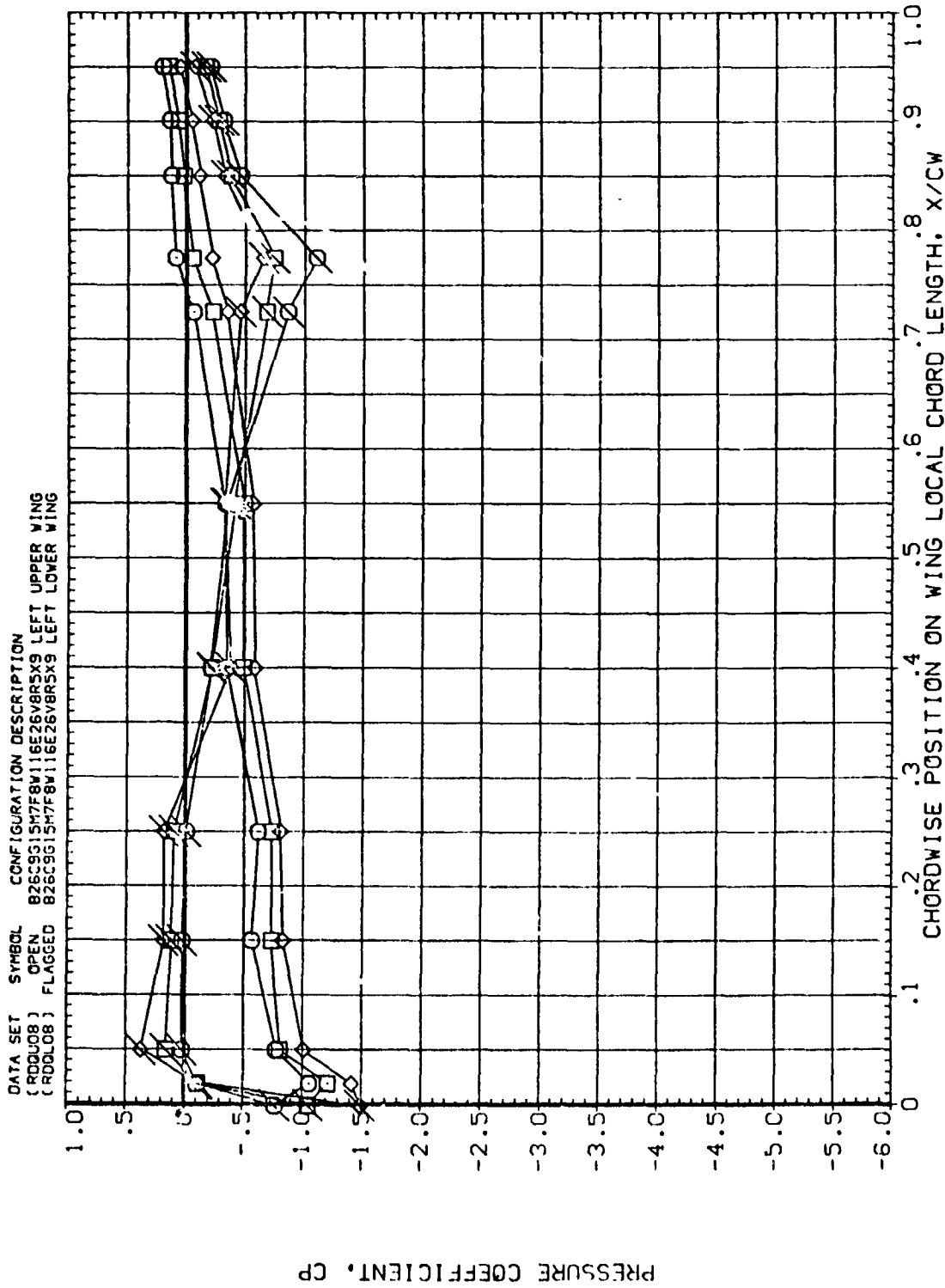


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
○	-2.970	.673	10.050	ELEVON	-20.000	RUDDER
□	.030			BOFLAP	-14.250	BETA
◇	5.020					10.000

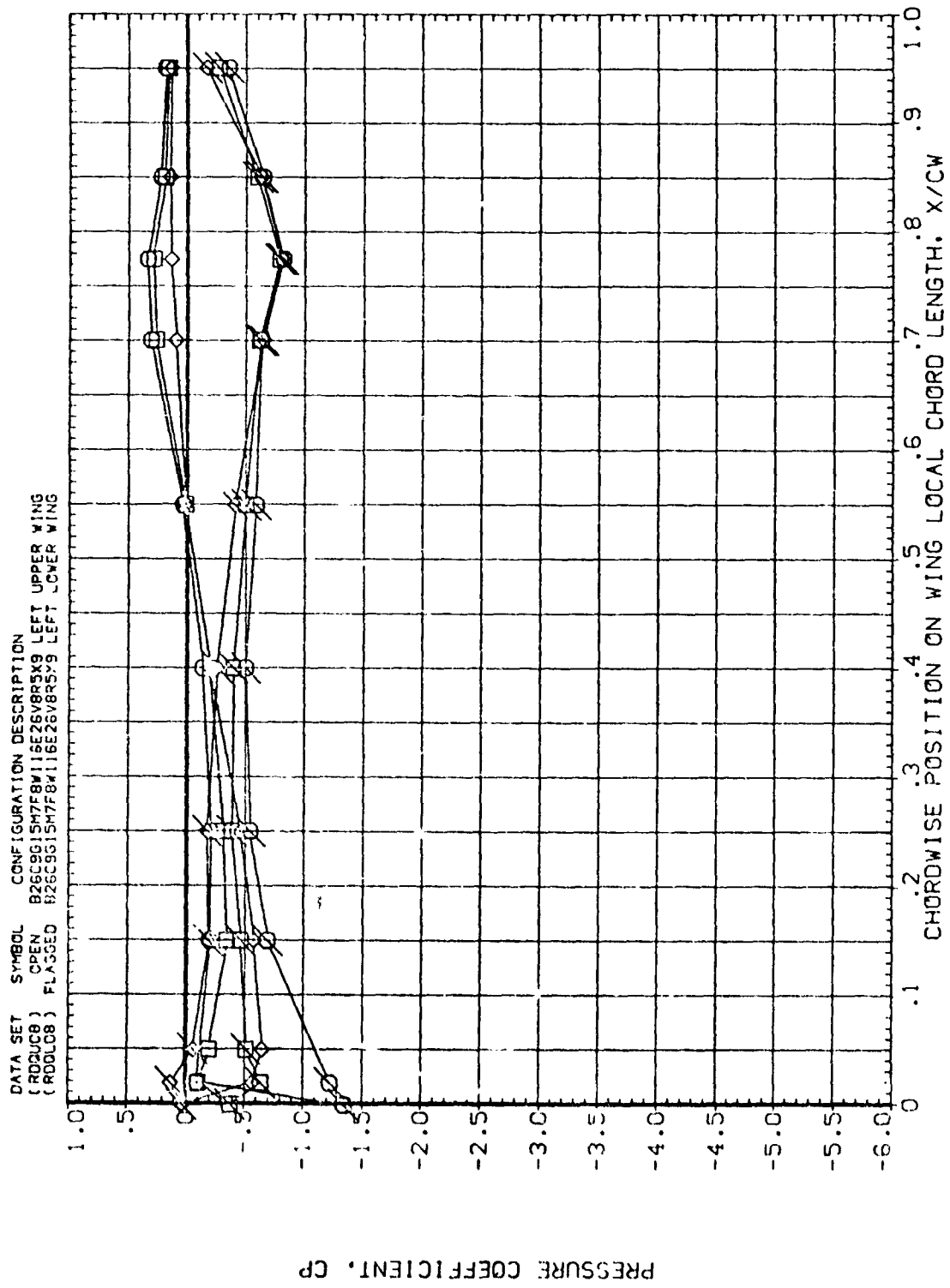


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL

ALPHA
10.120
13.190
16.220

Y/BW .673 BETA 10.050

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

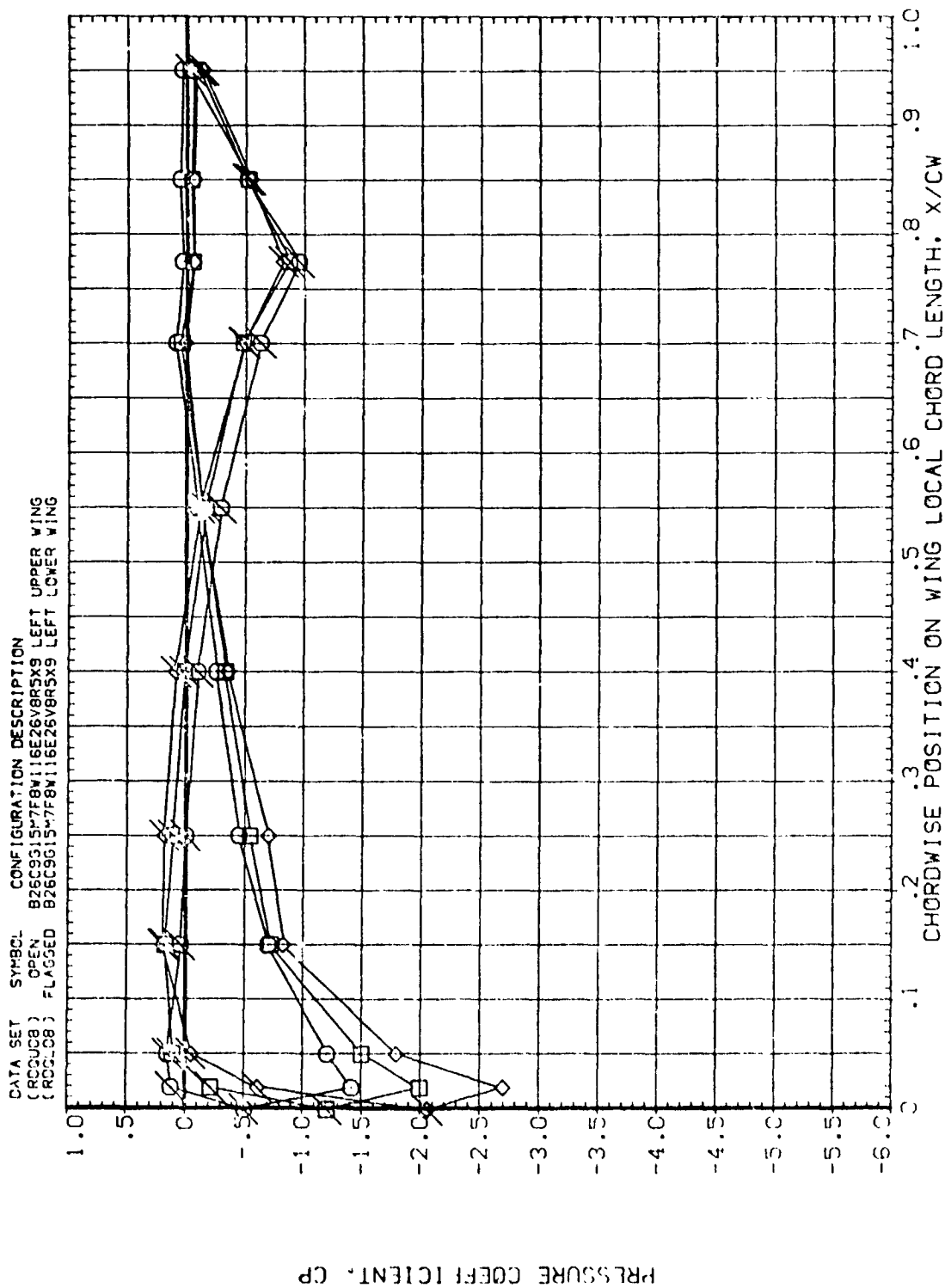


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
	-2.970	.780	10.050	ELEVON	-20.000
	.030			BDFLAP	-14.250
	5.020				10.000

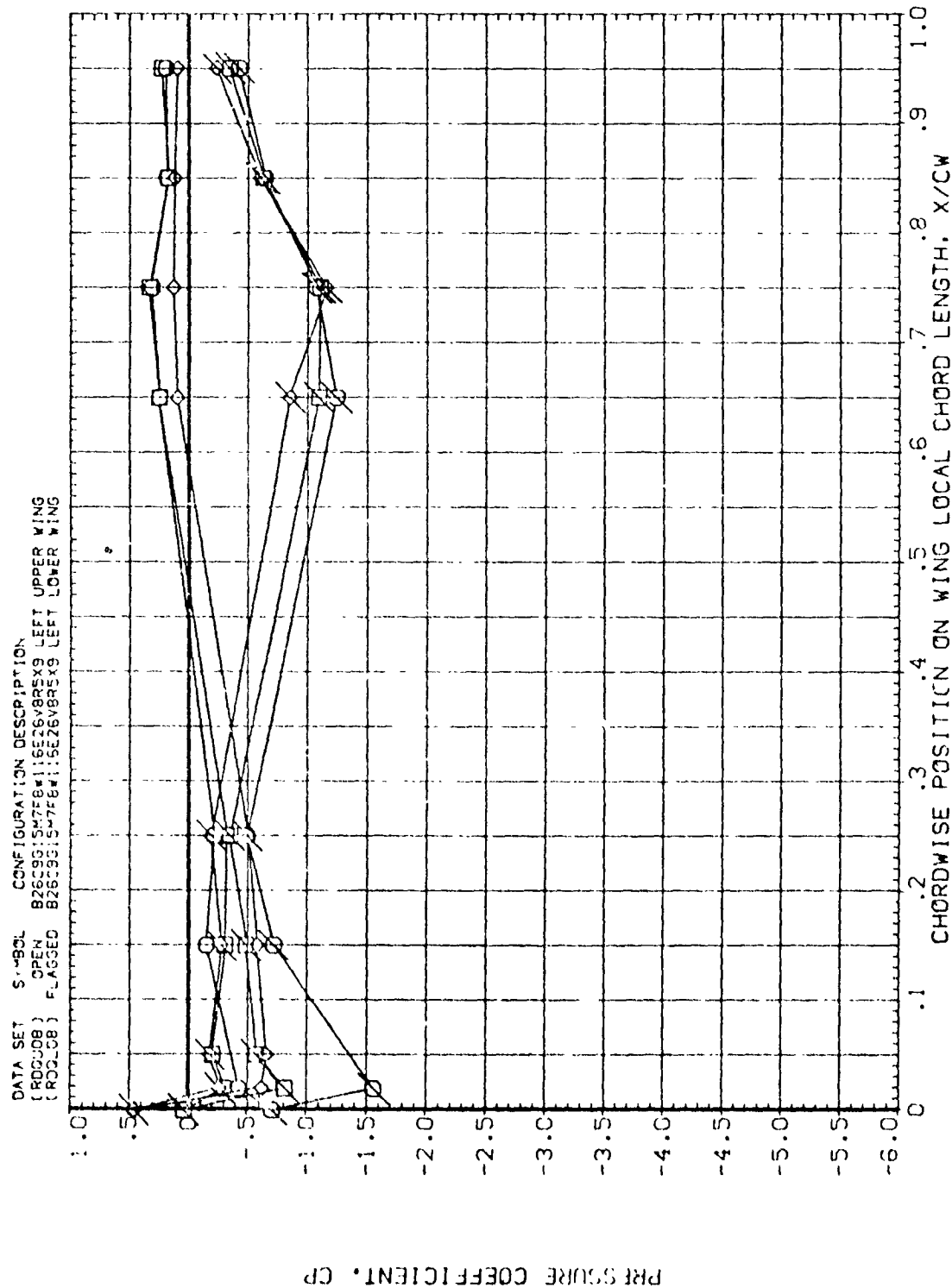


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL
◇ □ ○

ALPHA
10.120
13.190
16.220

V/BW
.780

BETA
10.050

PARAMETRIC VALUES
ELEVON -20.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(PC02B) OPEN B26C931547F84116E26V8R5X9 LEFT UPPER WING
(PC51C8) FLAGGED B26C931547F84116E26V8R5X9 LEFT LOWER WING

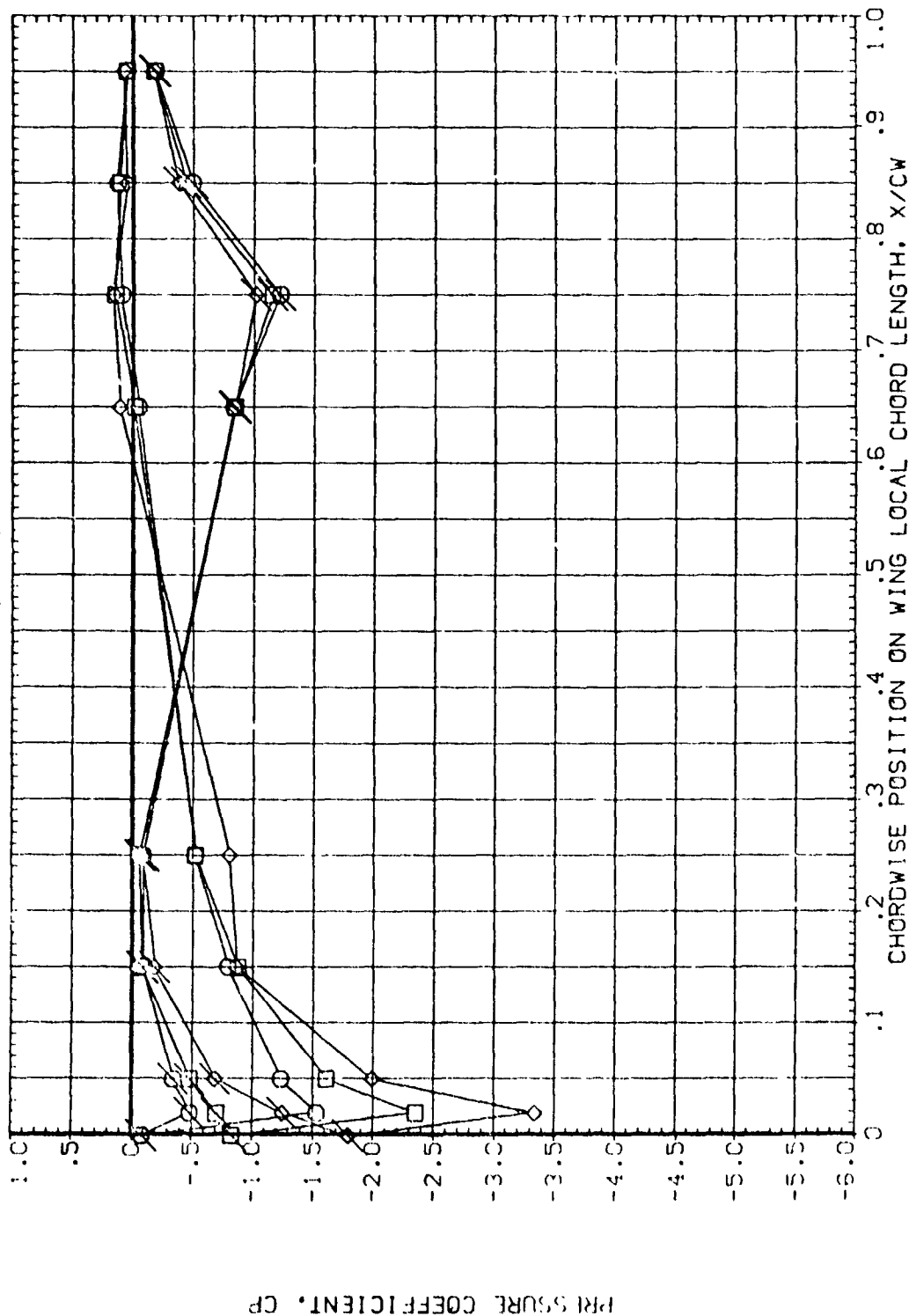


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBSL ALPHA Y/BY BETA
 -2.970 .887 10.050
 .030
 5.020

PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

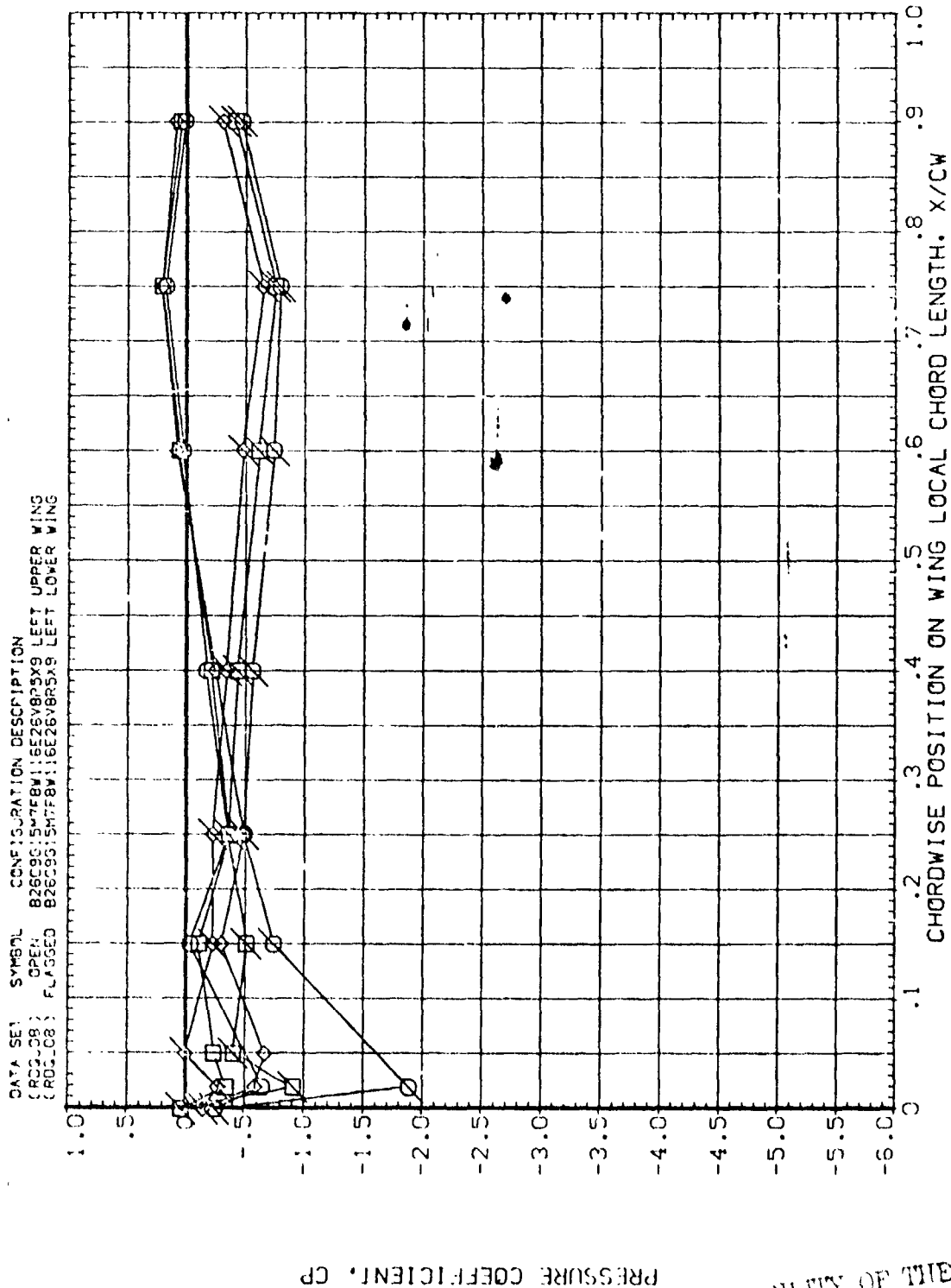


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.887	10.050	BOFLAP	-20.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.000

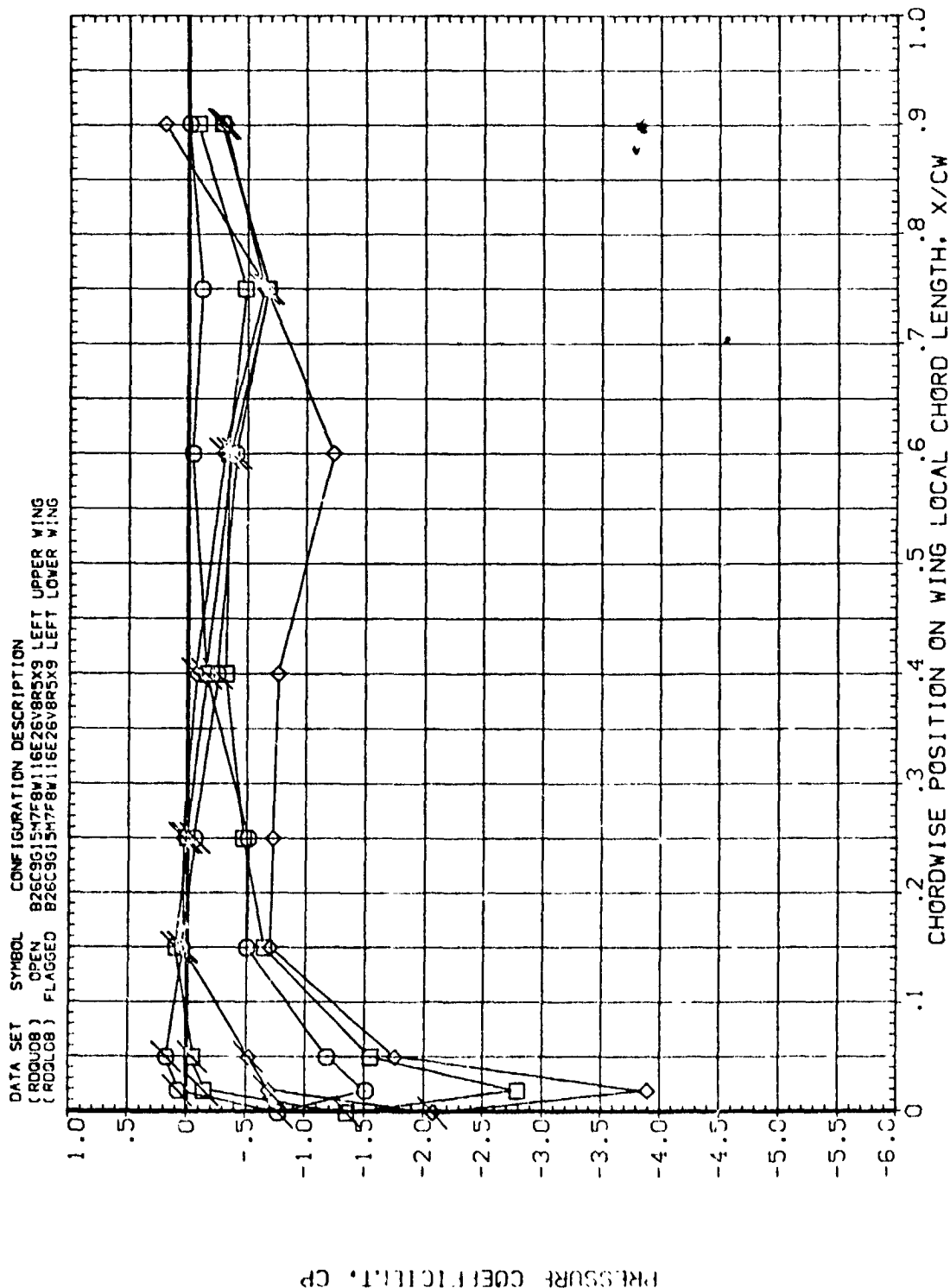


FIG. 30 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -20, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
□	-2.983	.299	-10.060	ELEVON -40.000 RUDDER .000
◇	.020			BDFLAP -14.250 BETA -10.000
◇	5.020			

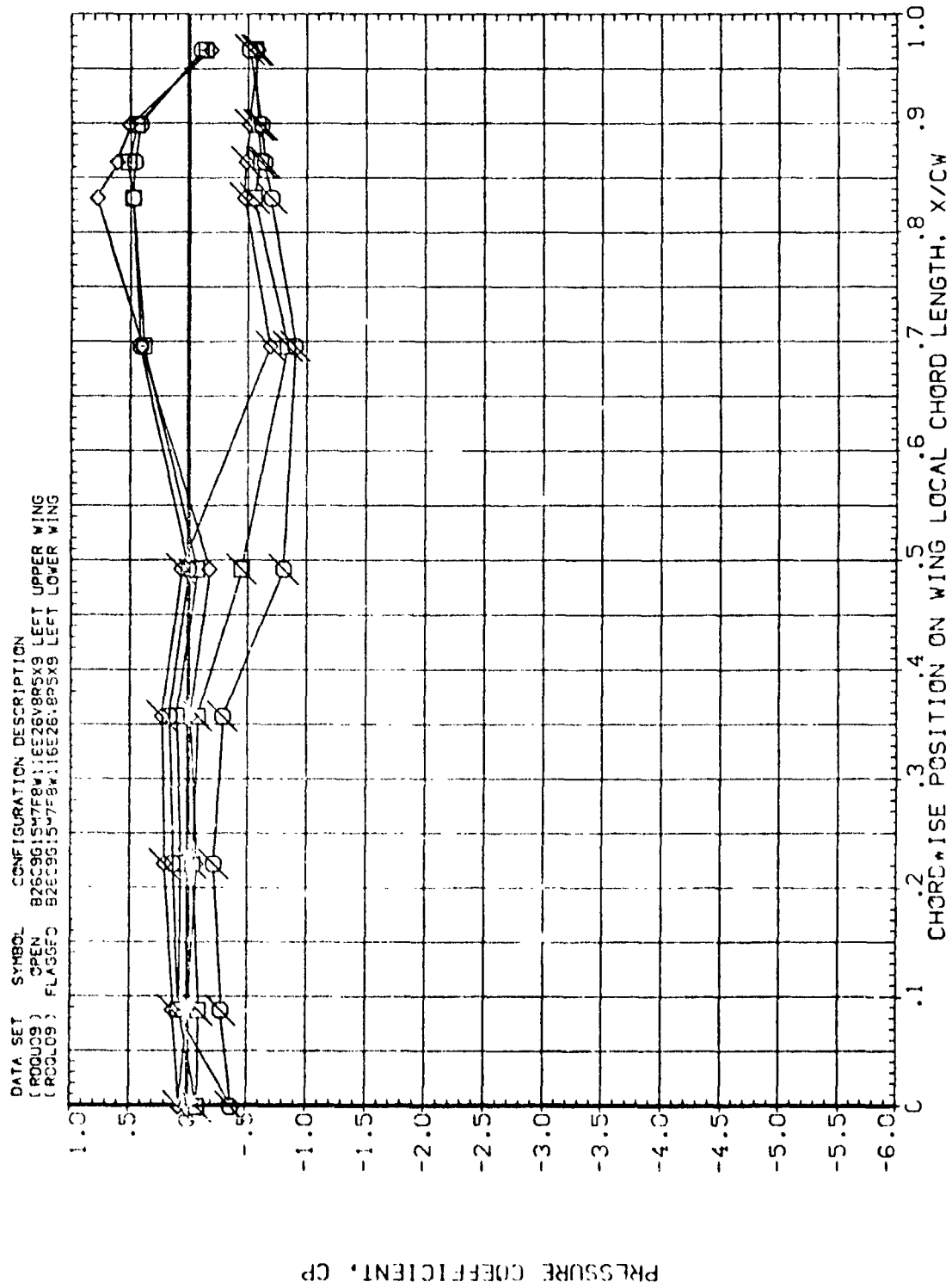


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

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SYMBOL
 ○ □ ◇

ALPHA
 10.090
 13.190
 16.220

Y/BV
 .299

BETA
 -10.060

PARAMETRIC VALUES
 ELEVON -40.300 RUDDER .000
 BDFLAP -14.250 BETA -10.000

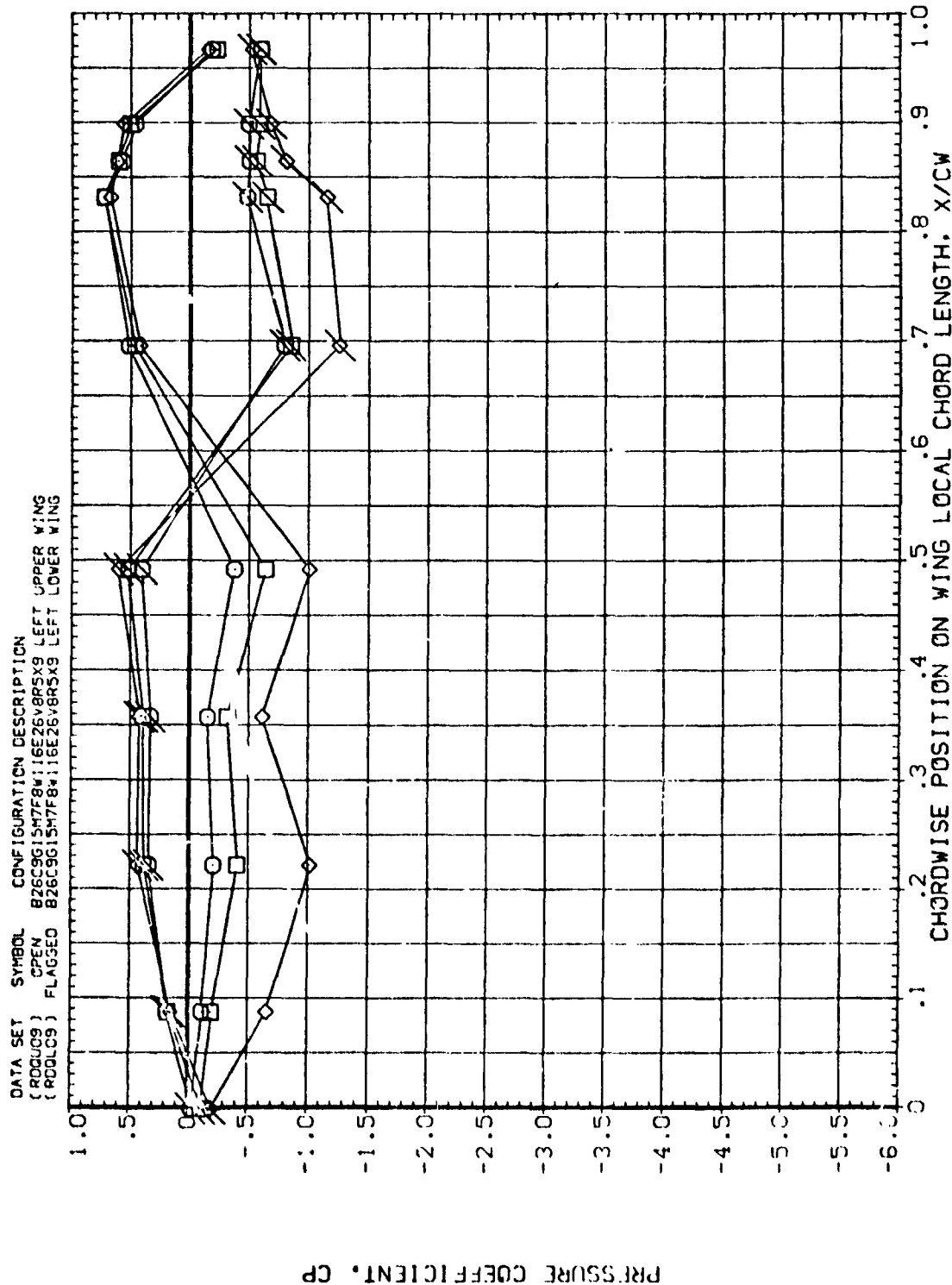


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	
◇ □ ○	-2.980	.352	-10.060	-40.000		.000
	.020			-14.250	BETA	-10.000
	5.020					

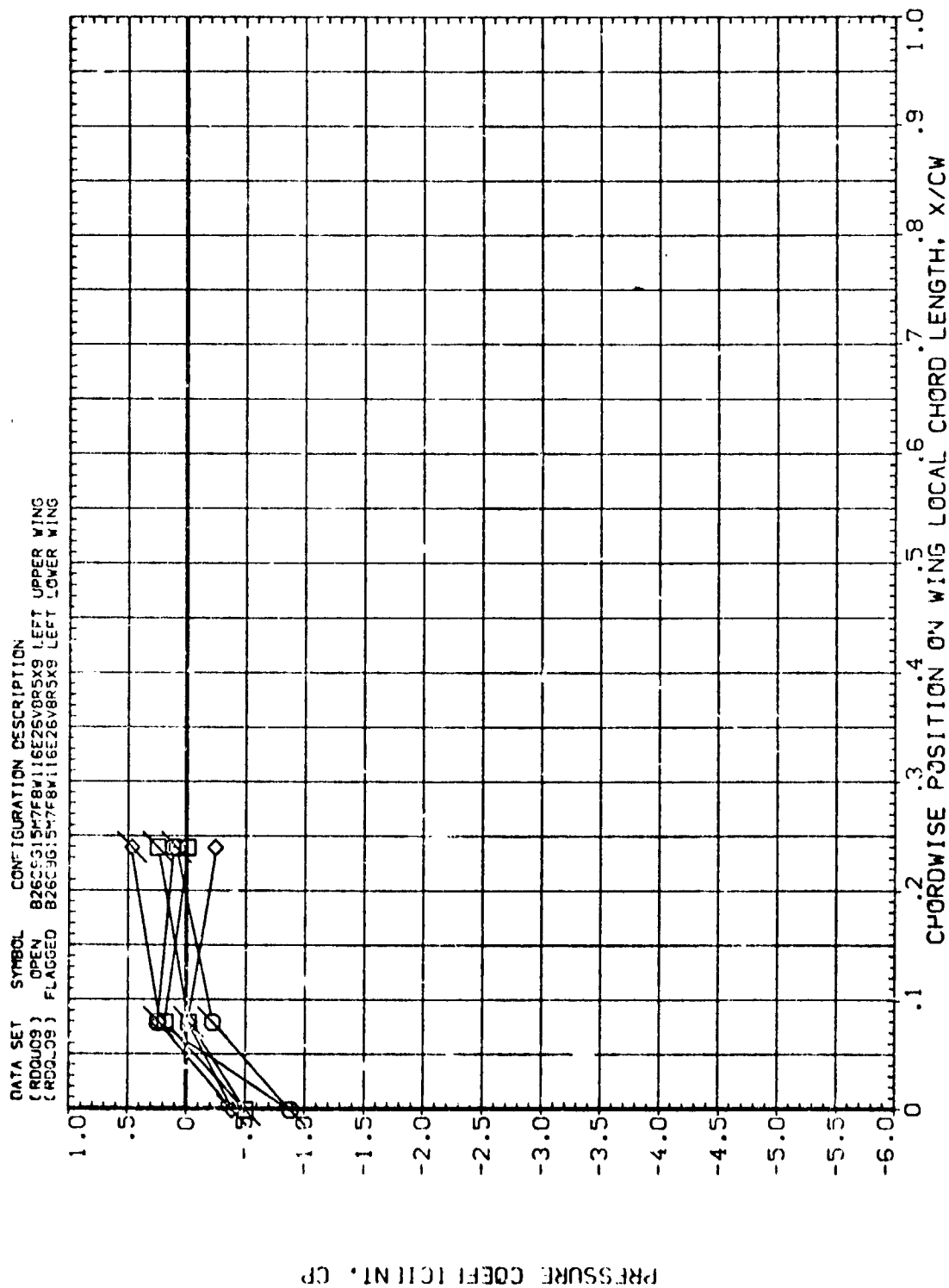


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
□	10.090	.352	-10.060	ELEVON -40.000 RUDDER .000
◇	13.190			BDFLAP -14.250 BETA -10.000
◇	16.220			

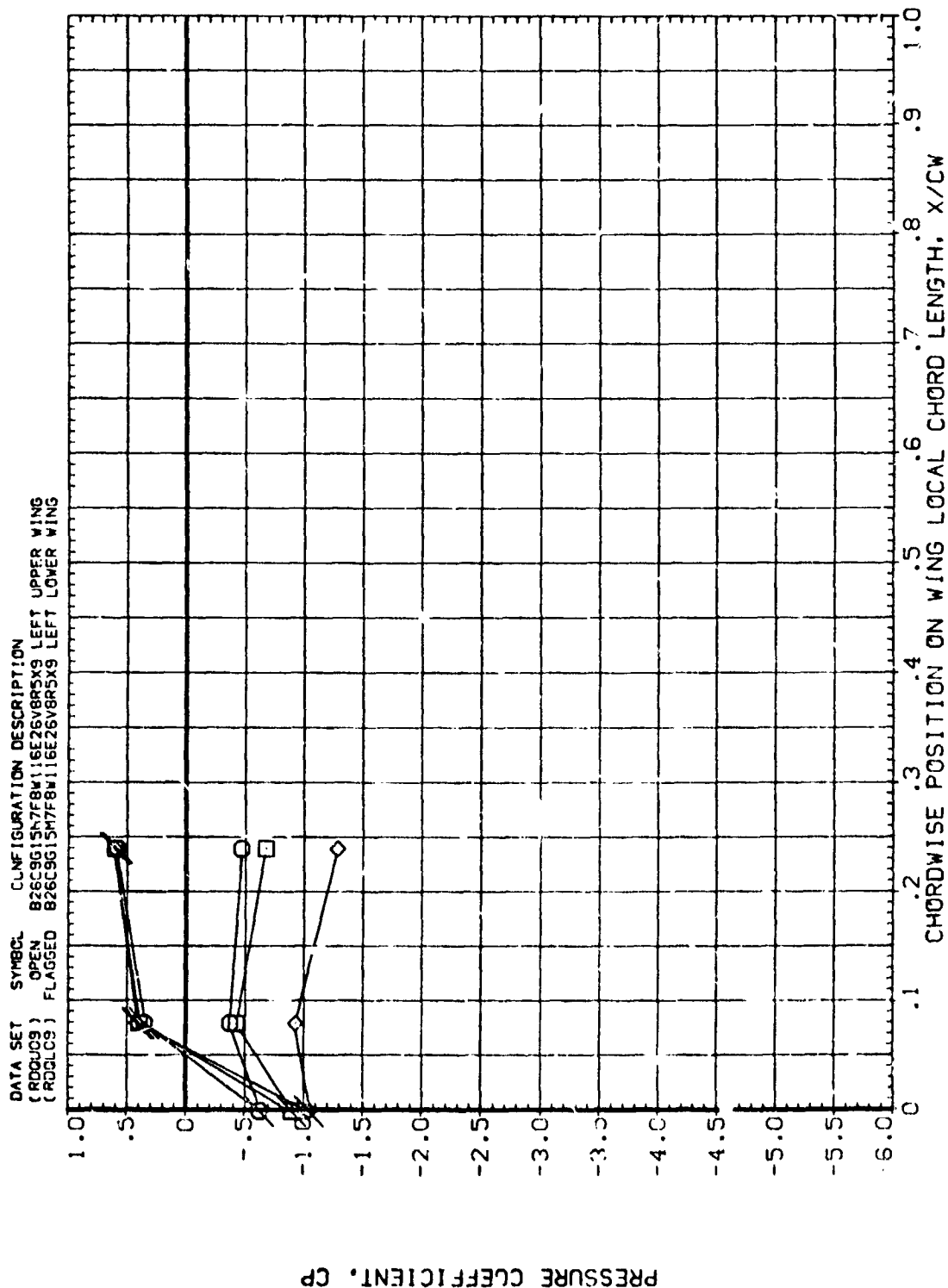


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA -10.000

SYMBOL ALPHA Y/BX BETA
-2.980 .405 -10.060
.020
5.020

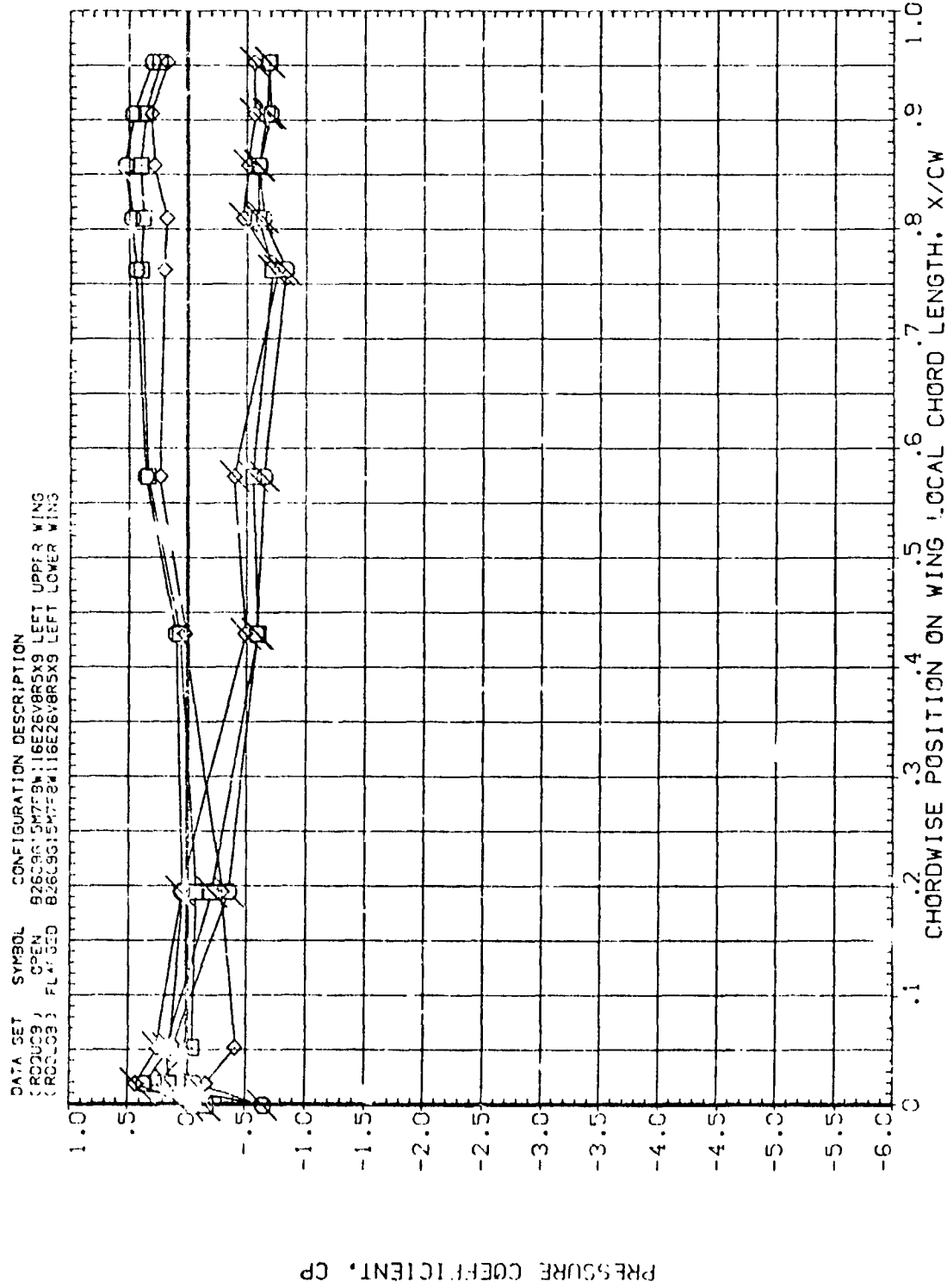


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
○	10.090	.405	-10.060	ELEVON
□	13.190			BDFLAP
◇	16.220			
				-40.000 RUDDER
				-14.250 BETA
				-10.000

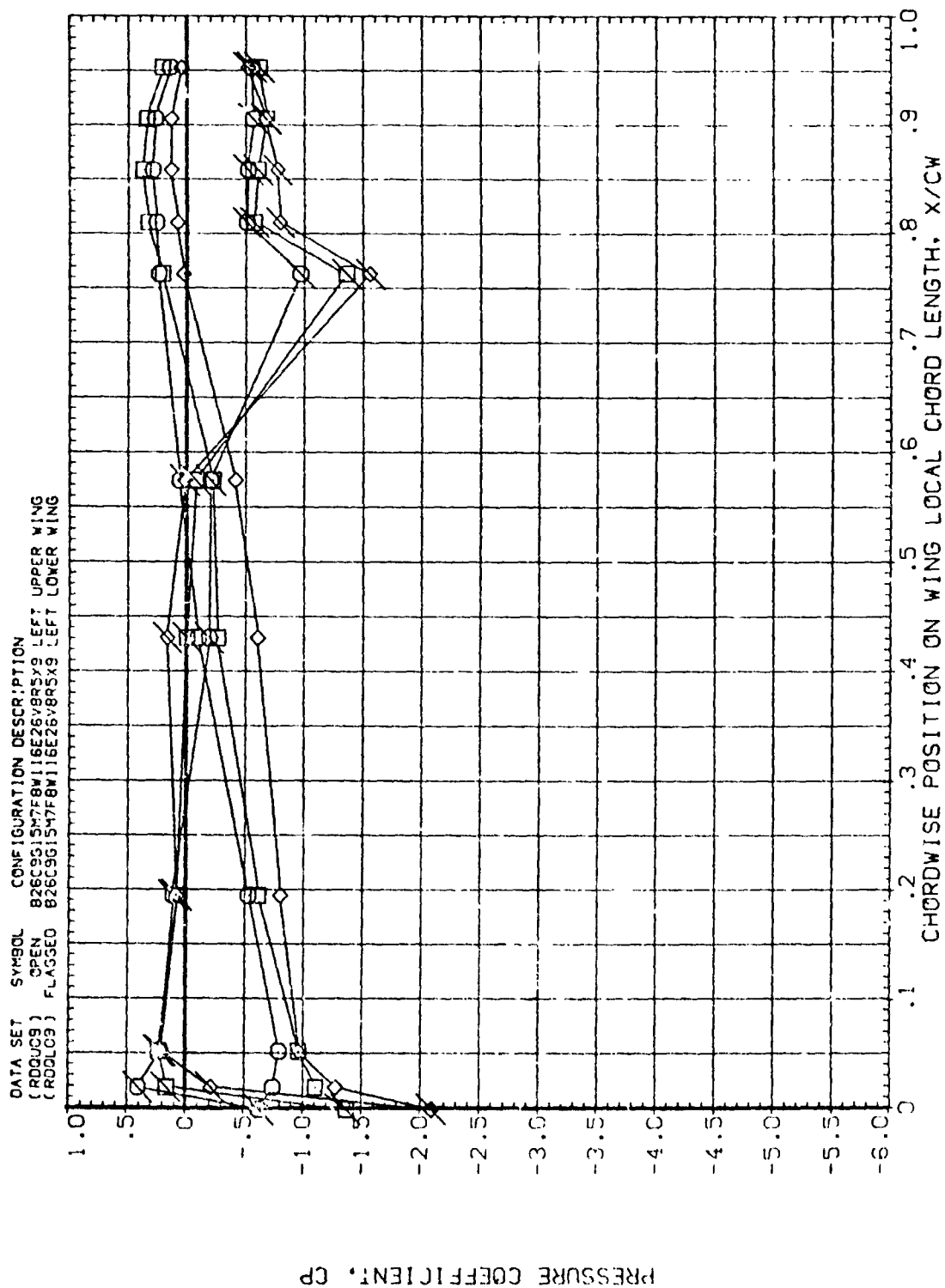


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL ALPHA Y/B_W BET.
 -2.980 .534 -10.360
 .020
 5.020

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

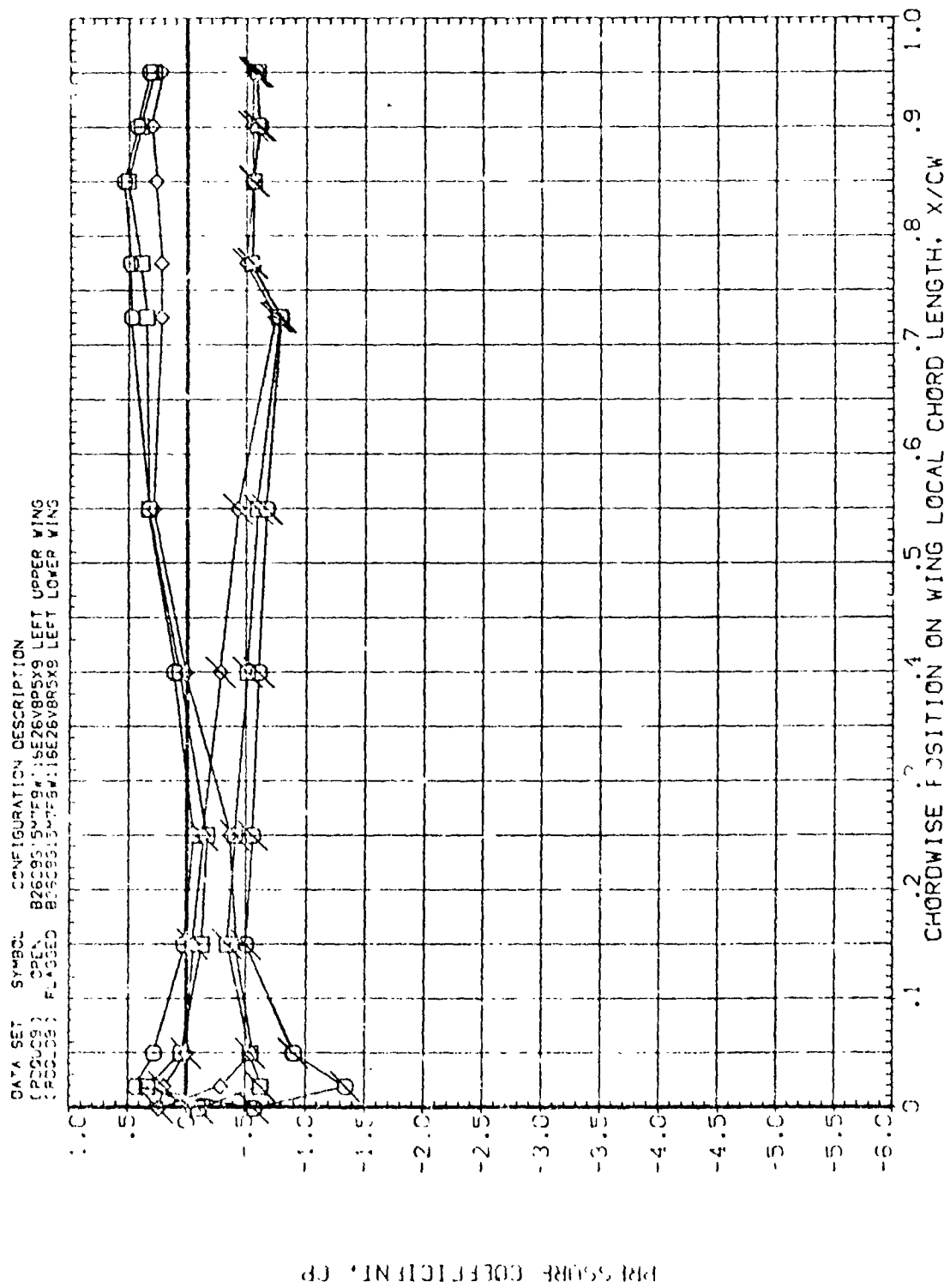


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES
○	10.090	.534	-10.060	ELEVON
□	13.190			BDFLAP
◇	16.220			BETA
				-40.000
				-14.250
				-10.000

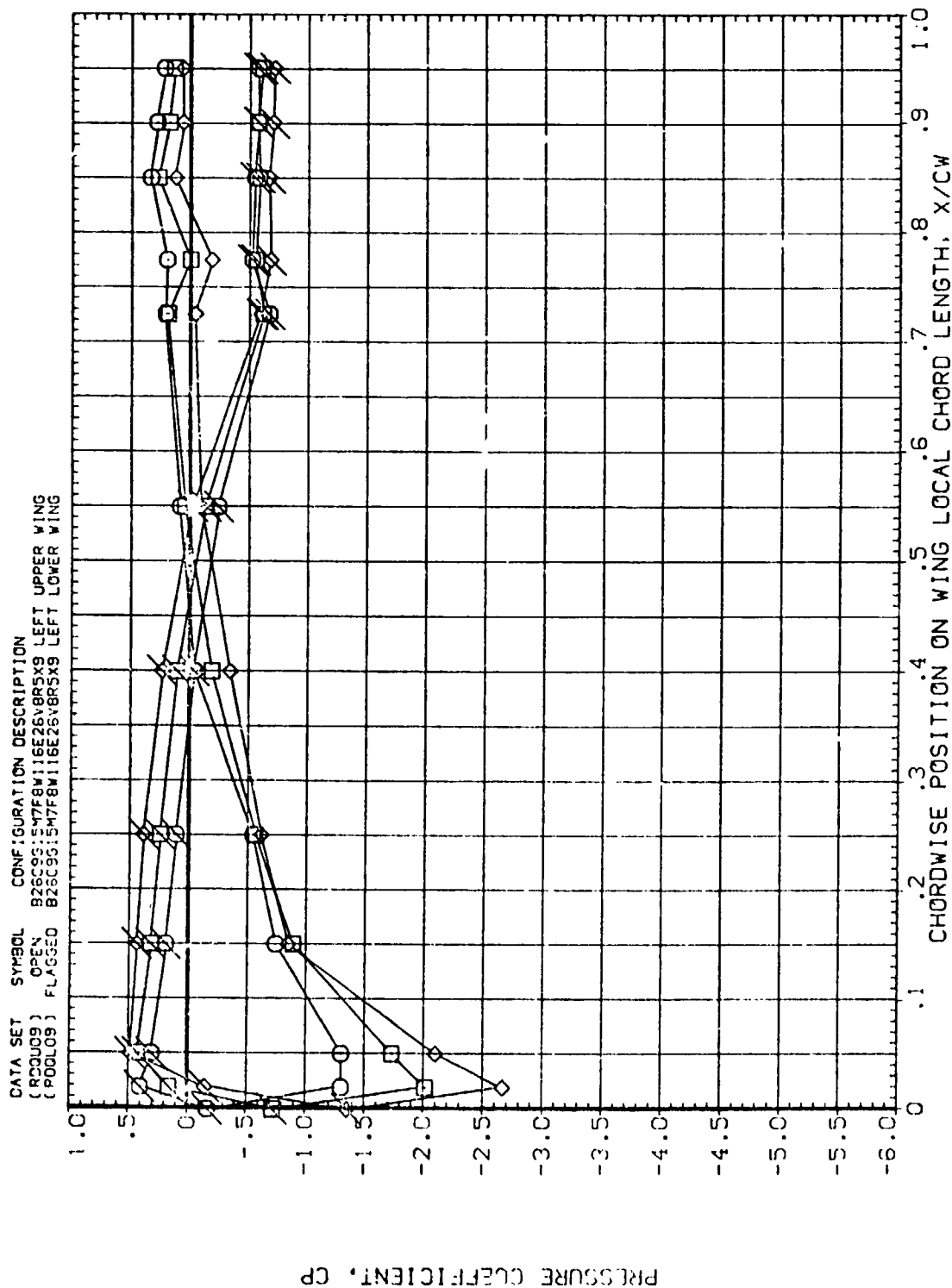


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

Symbol	Alpha	Y/BV	Beta	PARAMETRIC VALUES	
◇	-2.980	.673	-10.060	ELEVON	-40.000
○	.020			BOFLAP	-14.250
◇	5.020			RUDDER	.000
				BETA	-10.000

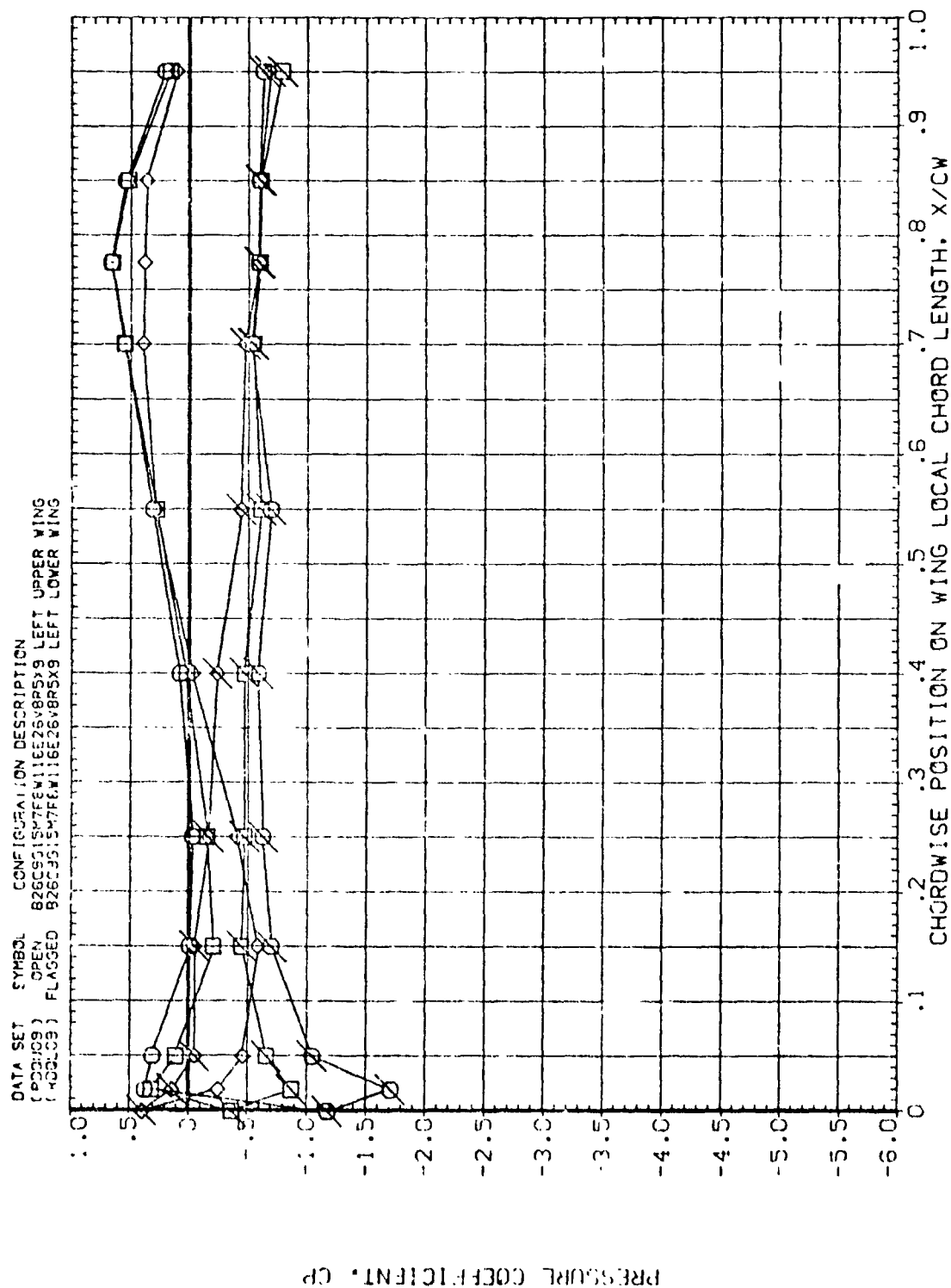


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
□	10.090	.673	-10.060	ELEVON -40.000 RUDDER .000
◇	13.190			BOFLAP -14.250 BETA -10.000
◇	16.220			

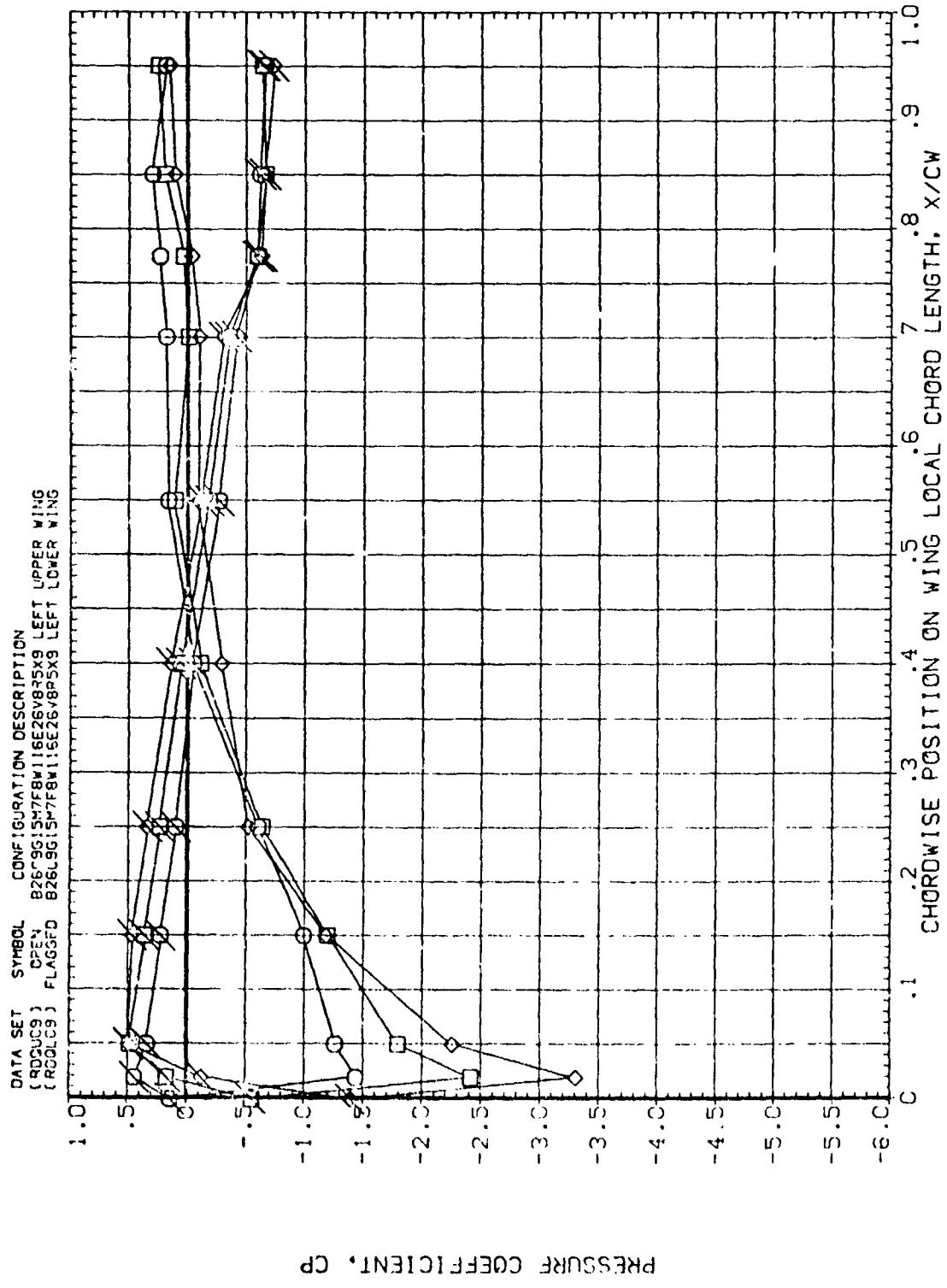


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBOL ALPHA Y/B_M BETA
 -2.38C .78C -10.05C
 .02C
 5.02C

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER 000
 BDFLAP -14.250 BETA -10.000

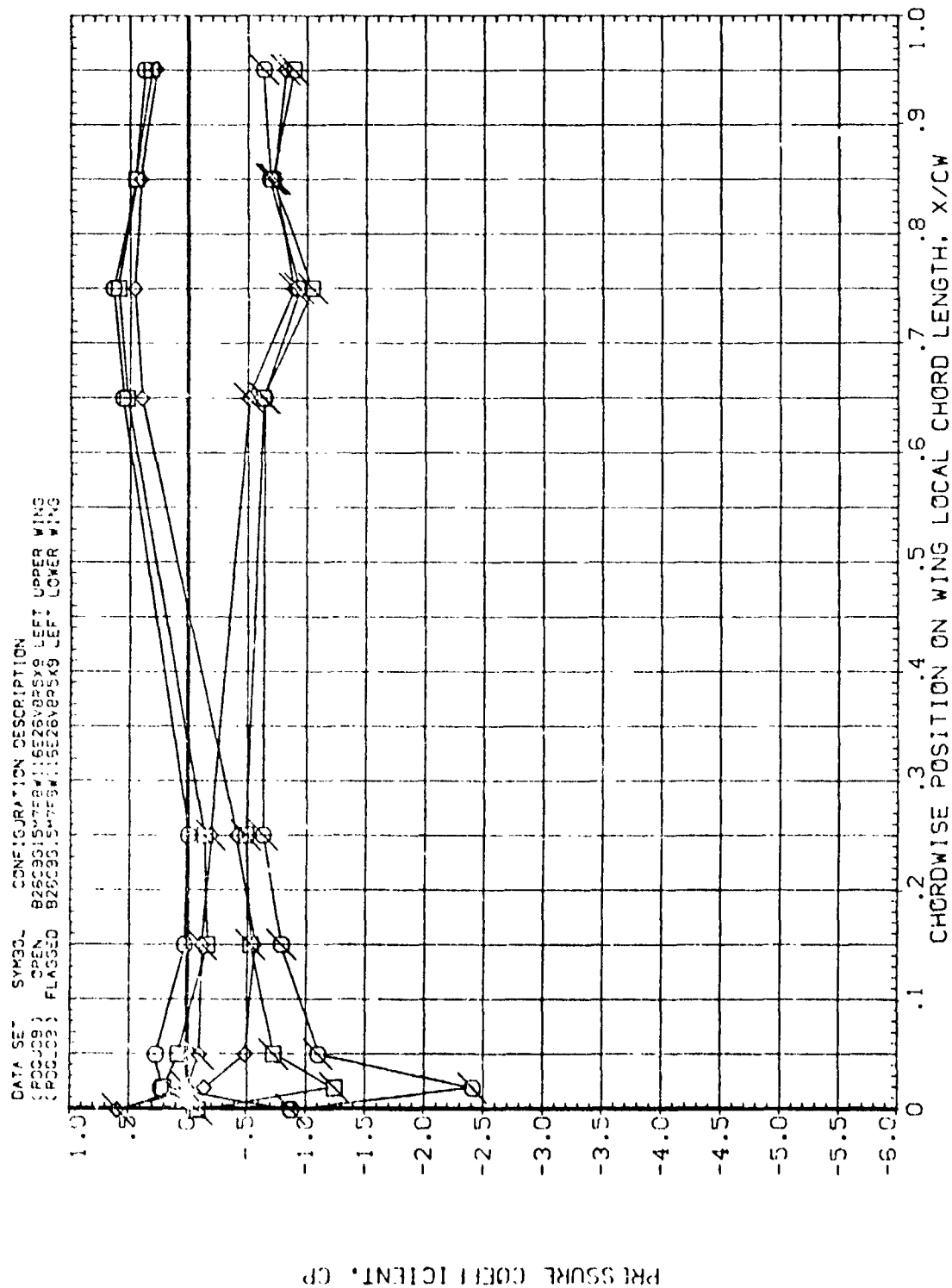


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.090	.780	-10.060	-40.000	-14.250	RUDDER .000
□	13.190					BETA -10.000
◇	16.220					

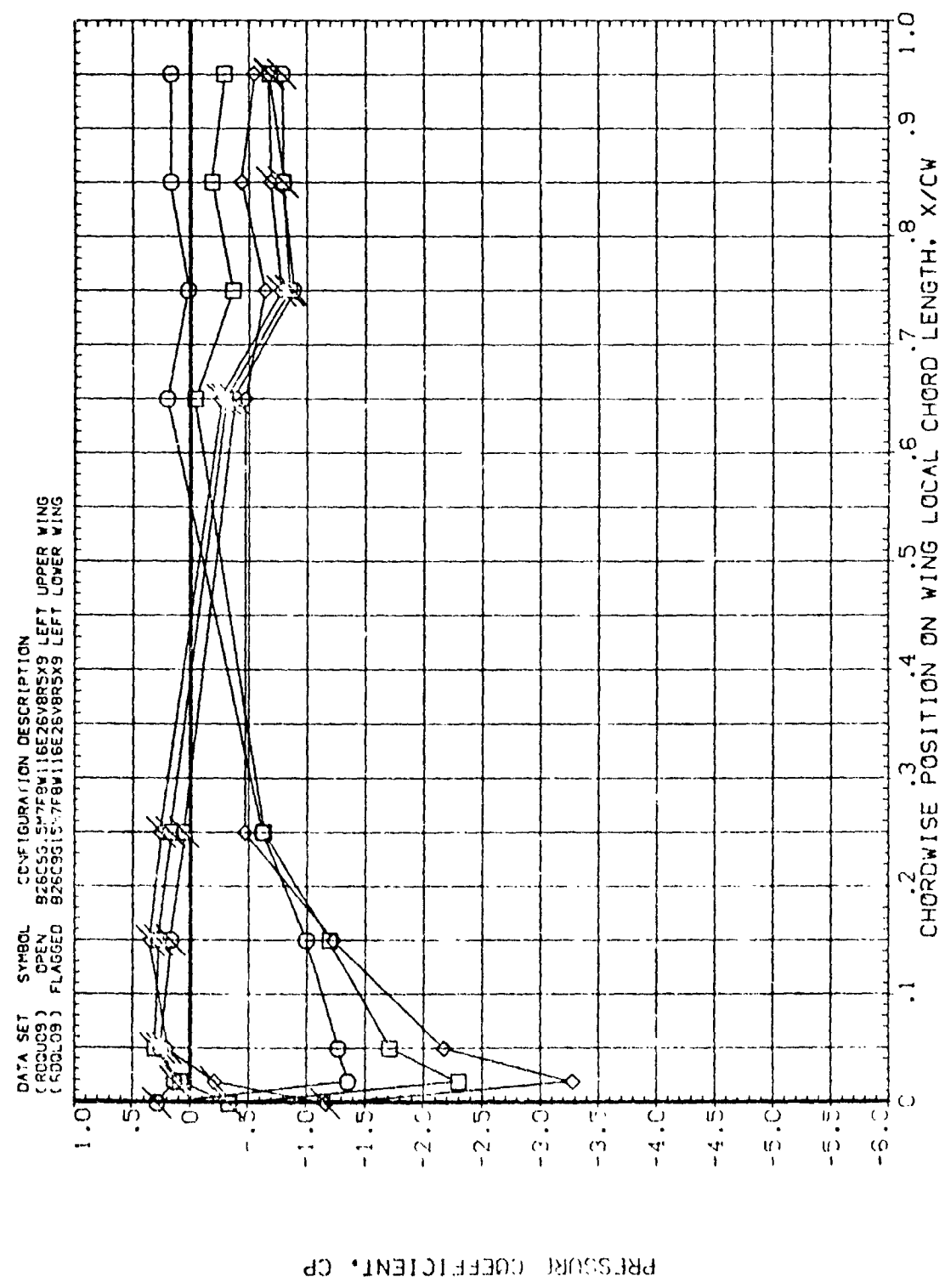


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

SYMBO. ALPHA Y/BW BETA
 -2.98C .897 -10.05C
 .02C
 5.02C

PARAMETRIC VALUES
 ELEVON -40.00C RUDDER .000
 BDFLAP -14.25C BETA -10.00C

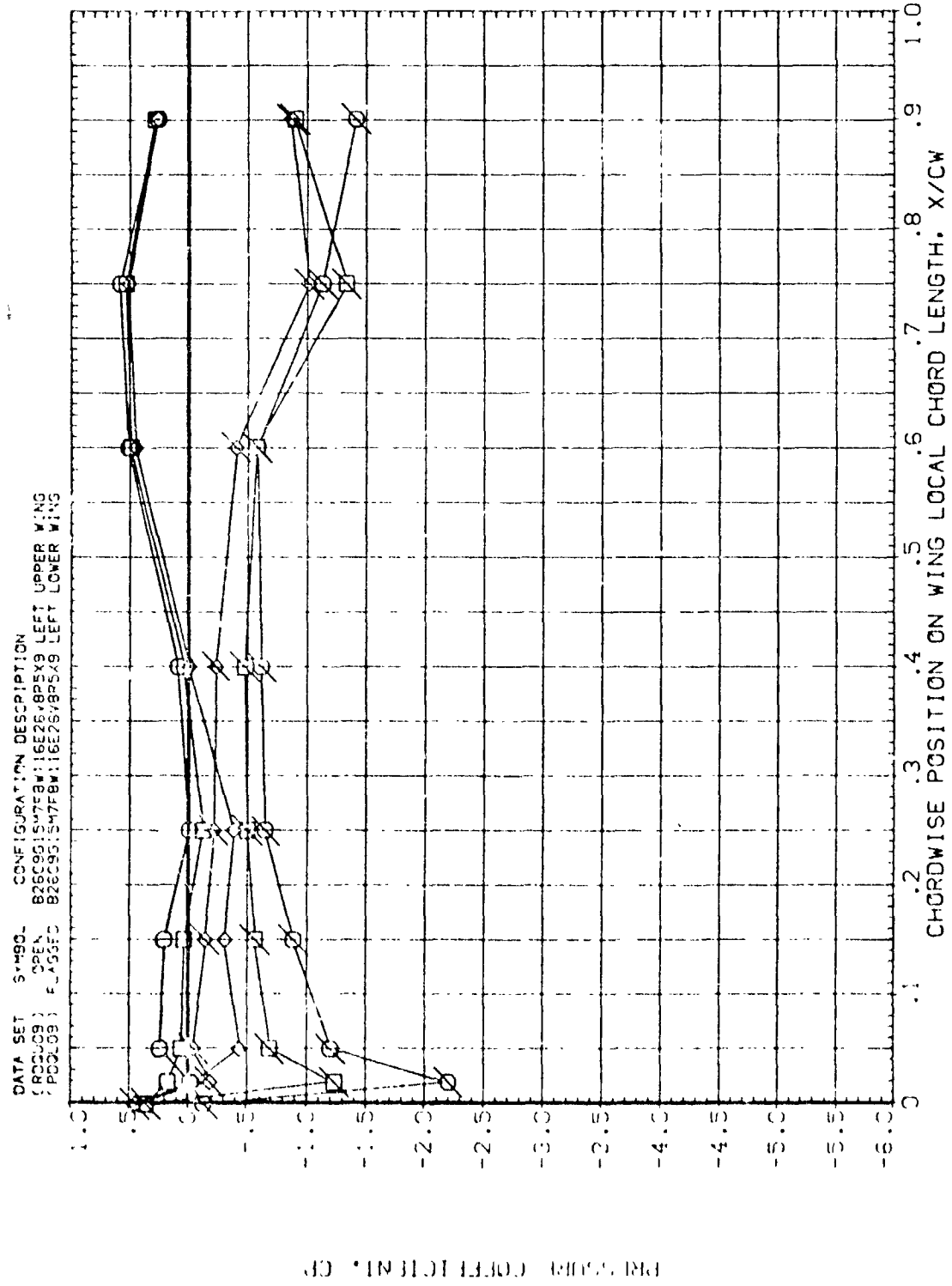


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

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SYMBOL ALPHA Y/BW BETA
 10.090 .887 -10.060
 13.190
 16.220

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

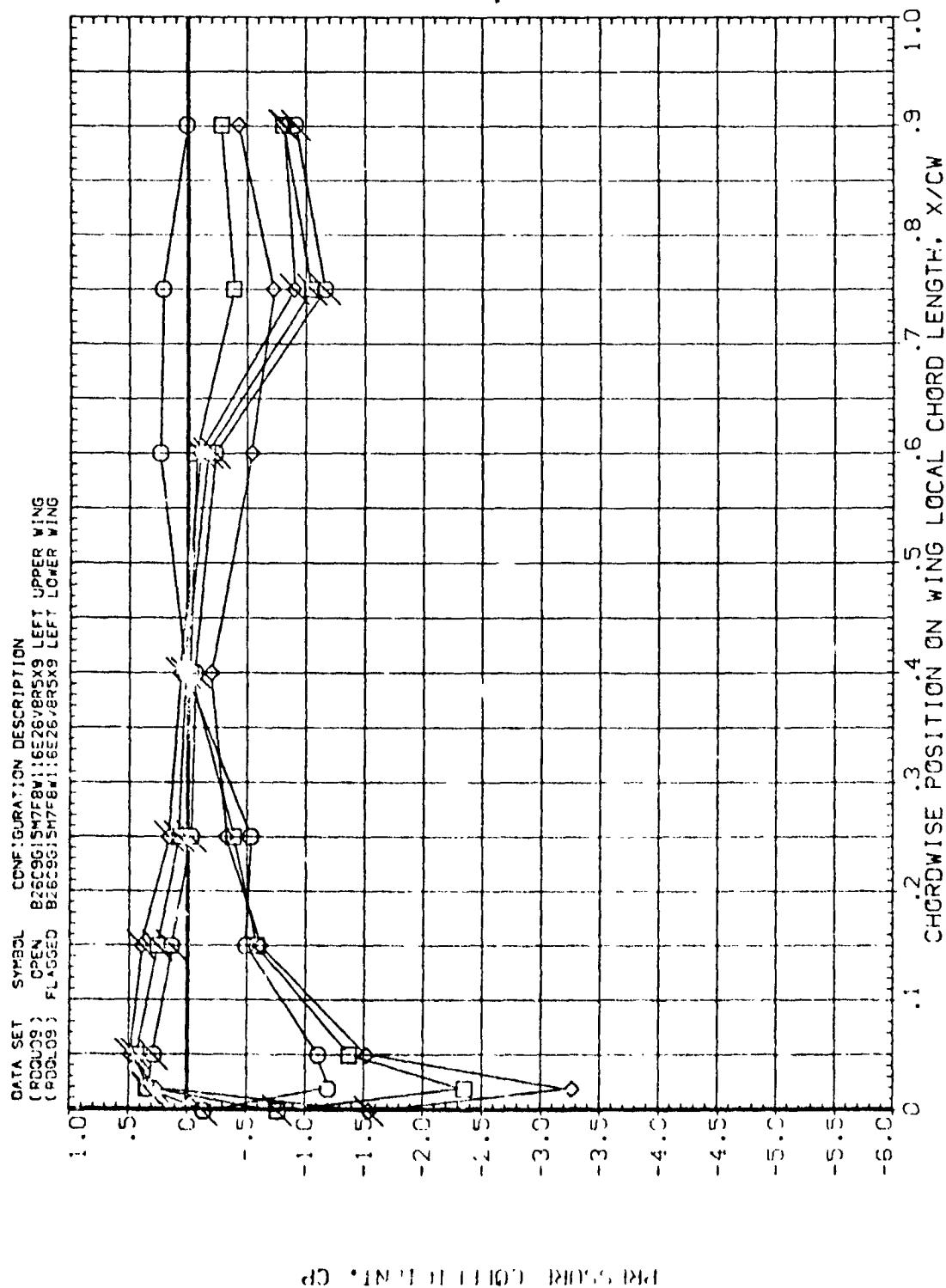


FIG. 31 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = -10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

SYMBOL ALPHA Y/BV BETA
-2.050 .299 .010
.050
5.130

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(R00010) 0000 B2C0915M75B116E26V85X9 LEFT UPPER WING
(P00110) FLAGEE B2C0915M75B116E26V85X9 LEFT LOWER WING

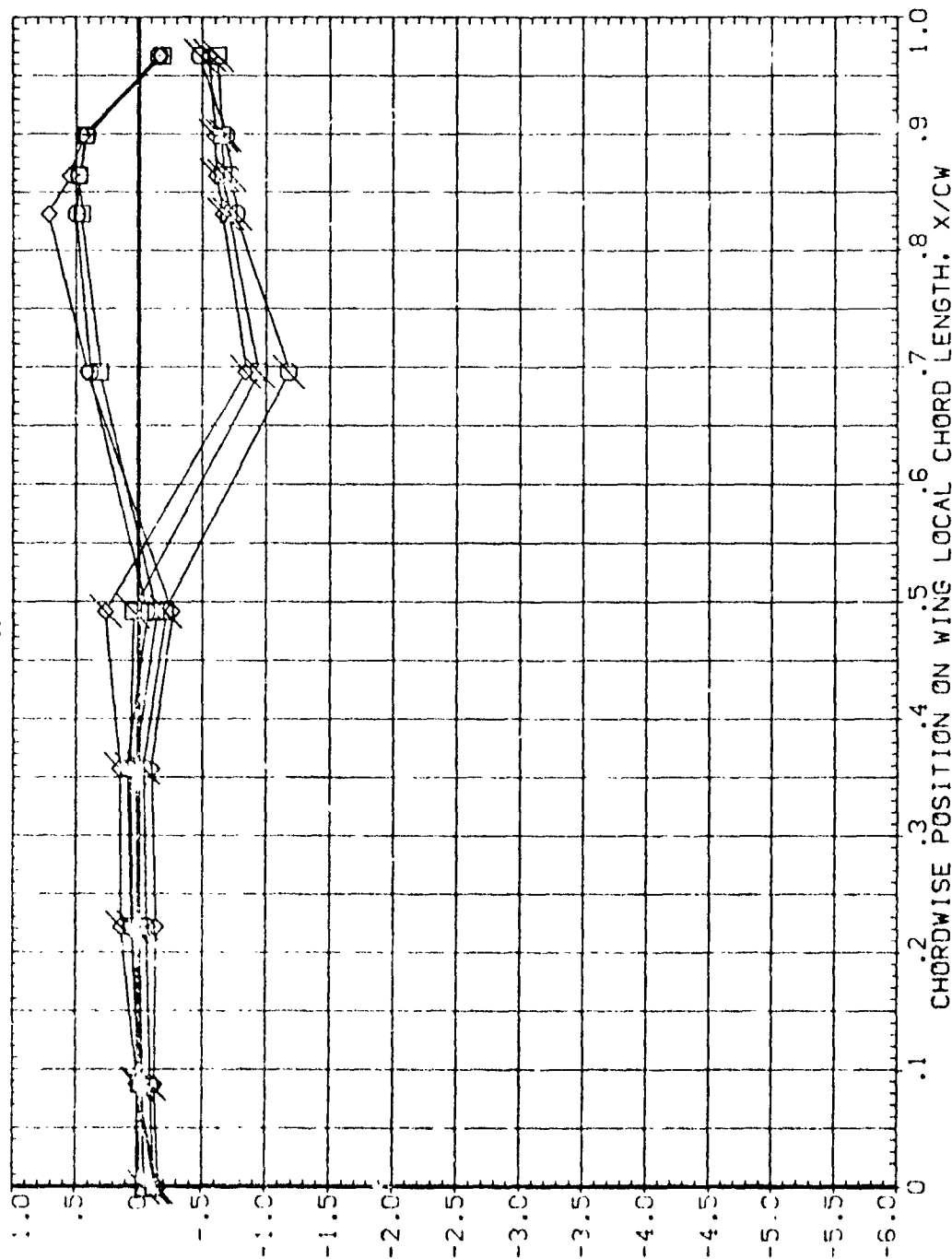


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
○	10.100	.299	-.010	-40.000		RUDDER .000
□	13.220				-14.250	BETA .000
◇	16.240					

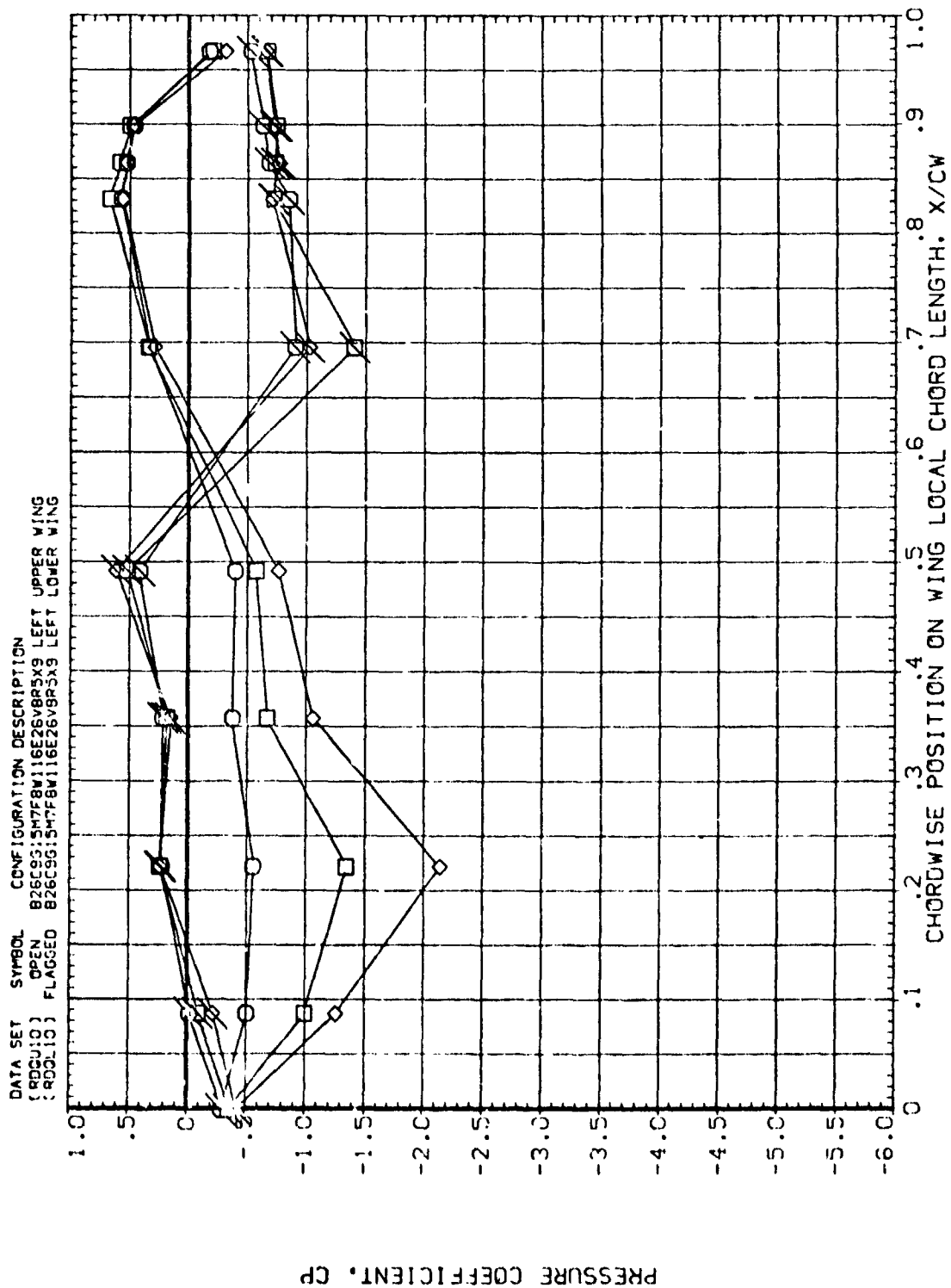


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA
 ALPHA Y/B₀ BETA
 -2.550 .352 -.010
 .050
 5.030

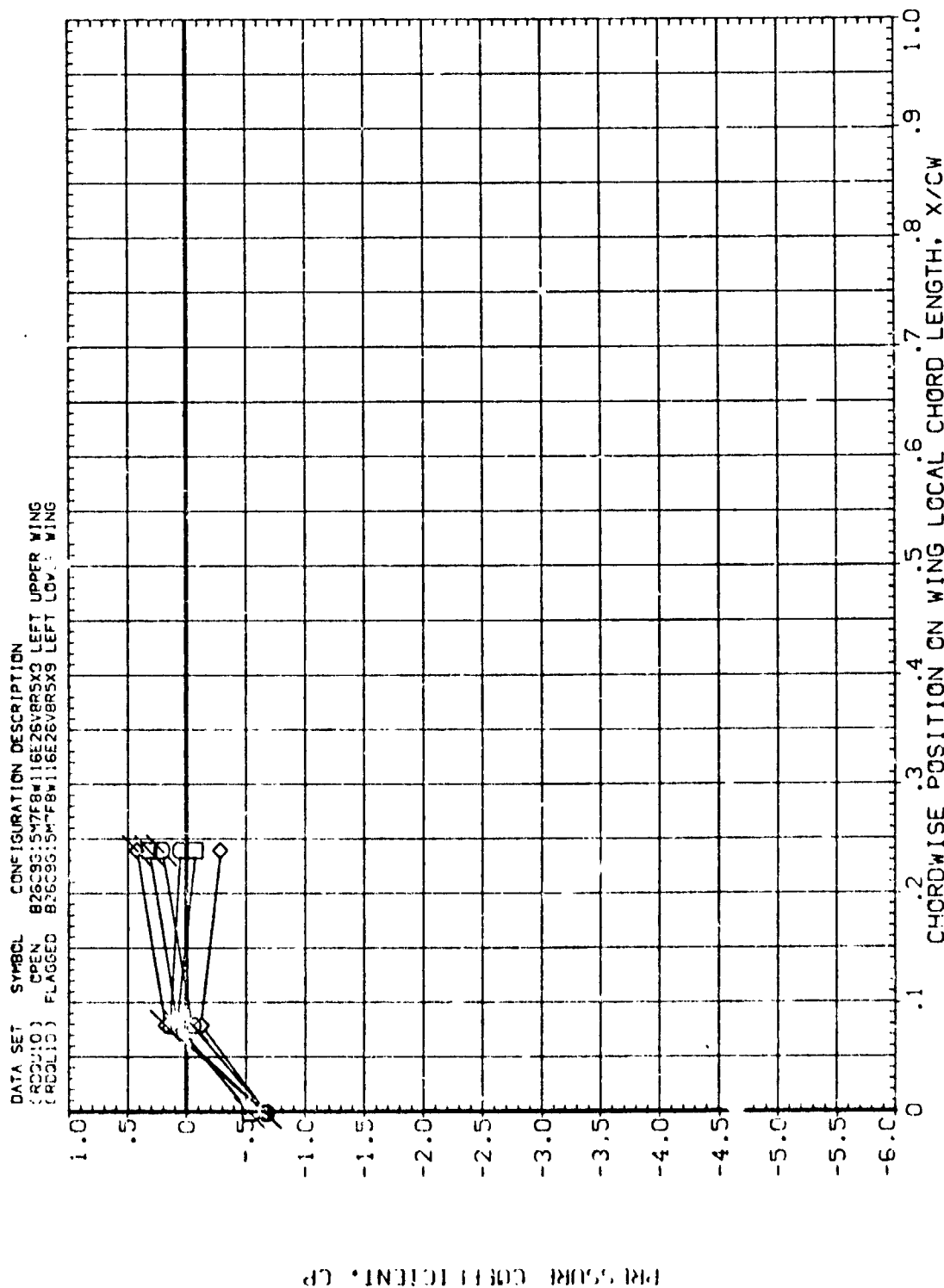


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BOFLAP -14.250 BETA .000

Y/BV BETA
.352 -.010

ALPHA
10.100
13.220
16.240

SYMBOL
◇ □ ◇

DATA SET SYMBOL CONFIGURATION DESCRIPTION
(RODULC) 3PEN 826C9G15H7F8W11SE26V8R5X8 LEFT UPPER WING
(RODULC) FLAGGED 826C9G15H7F8W11SE26V8R5X8 LEFT LOWER WING

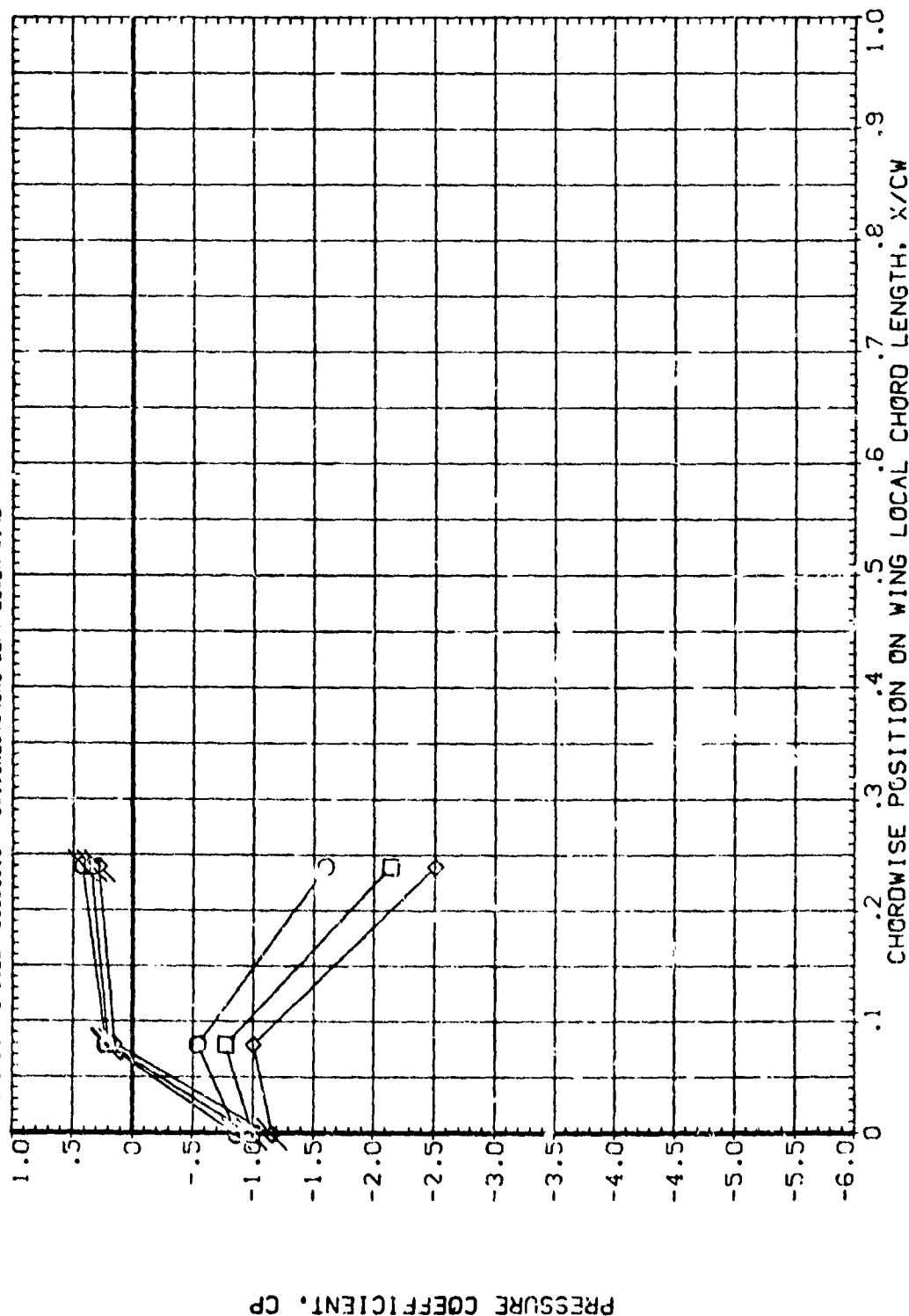


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

0.5

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.405	-0.010	ELEVON	-40.000
◇	.050			BOFLAP	-14.250
◇	5.030				BETA .000

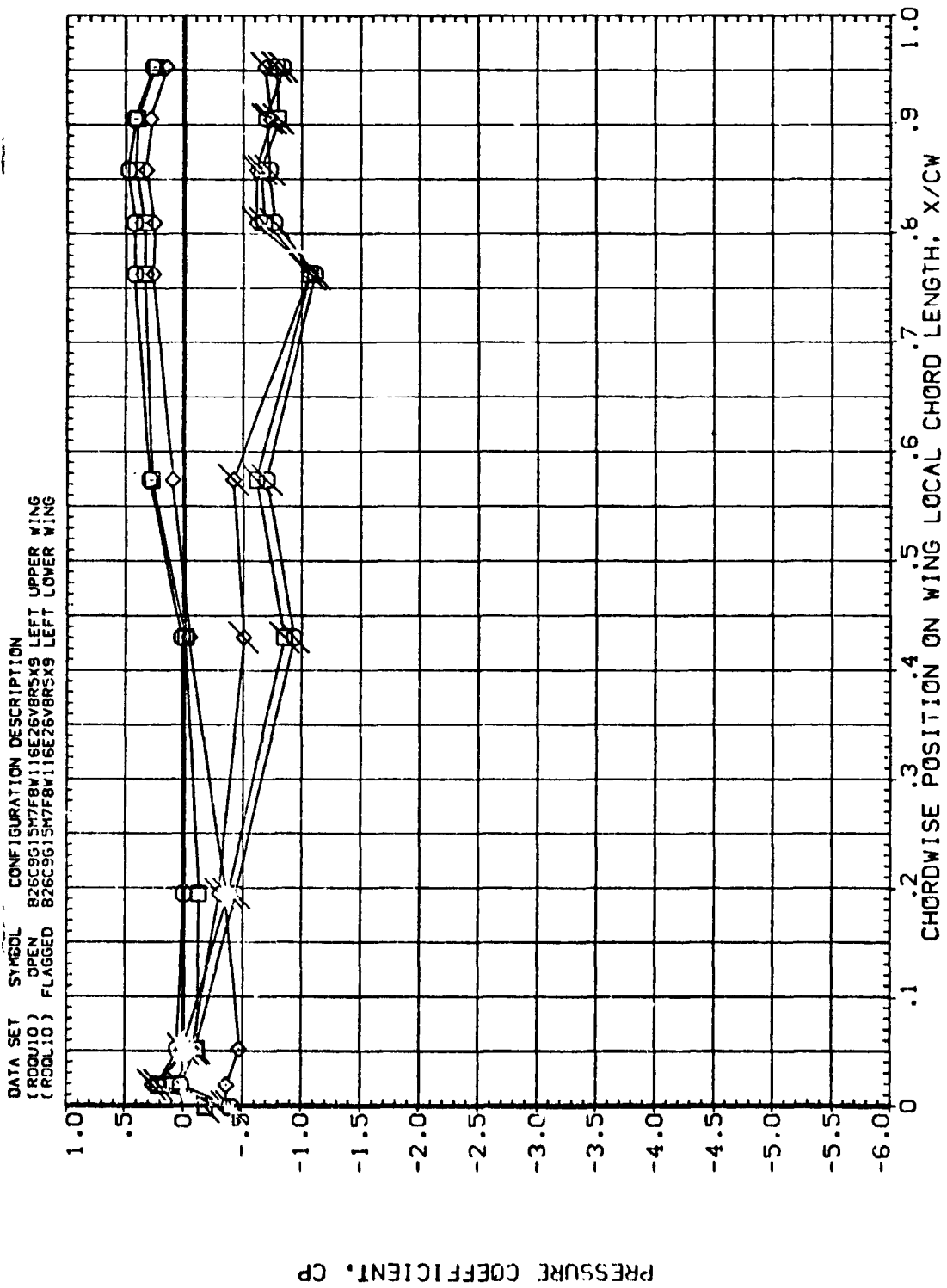


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.100	.405	-.010	BDFLAP	-40.000 RUDDER .000
◇	13.220				-14.250 BETA .000
◇	16.240				

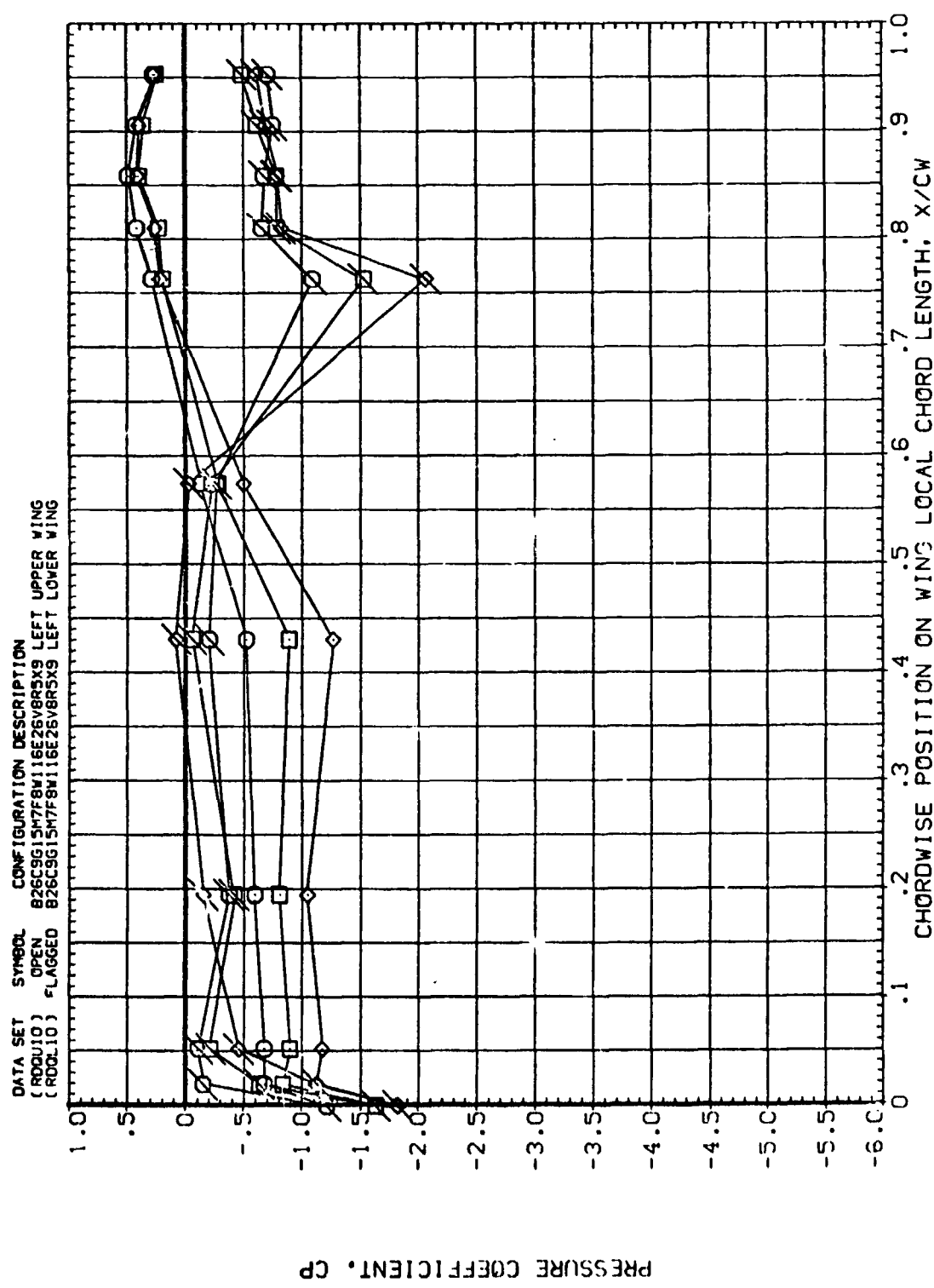


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
□	-2.950	.534	-0.010	ELEVON	-40.000
◇	.050			BOFLAP	-14.250
◇	5.030			RUDDER	.000
				BETA	.000

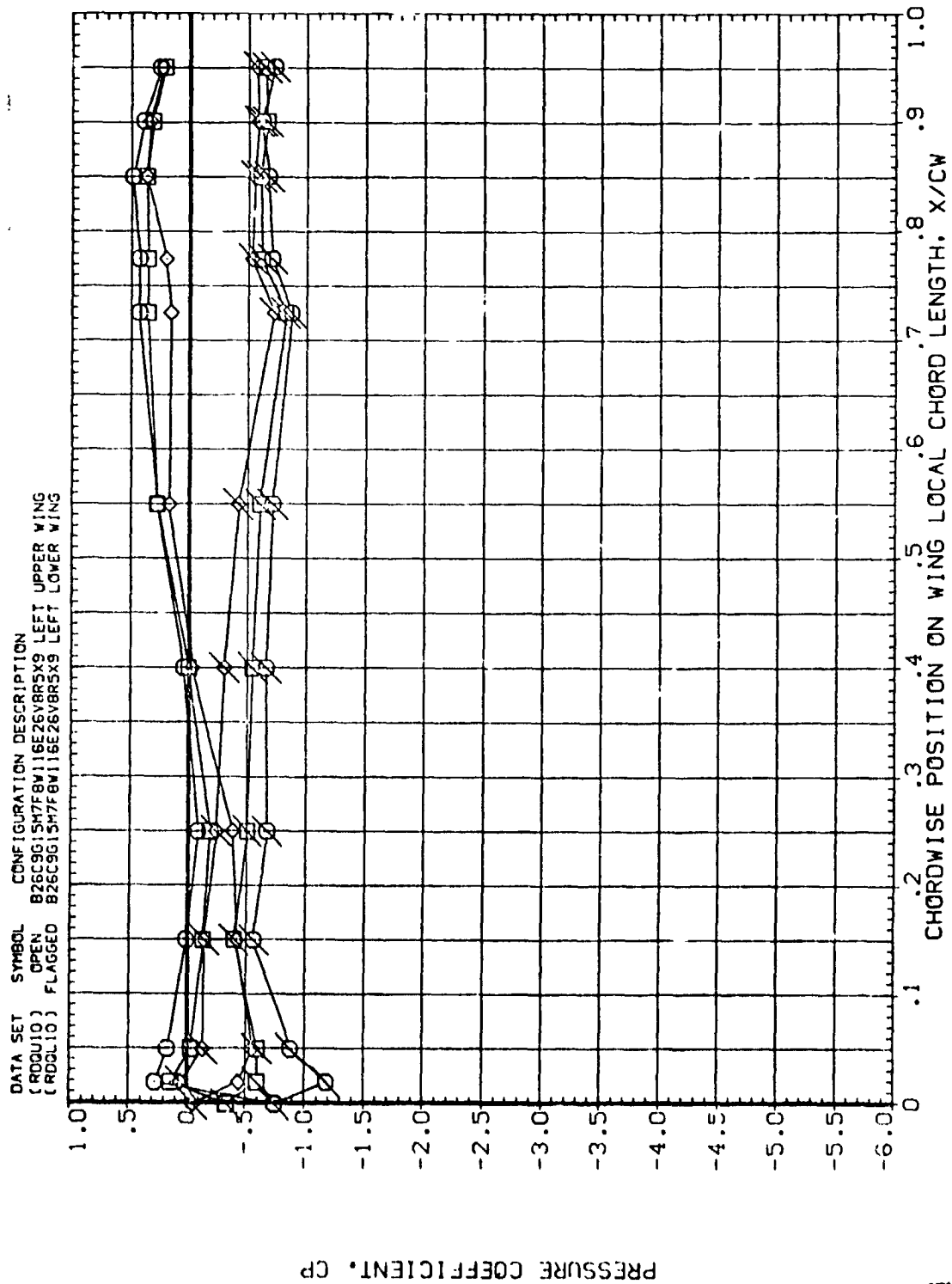


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

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SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
○	10.100	.534	-.010	ELEVON -40.000 RUDDER .000
□	13.220			BDFLAP -14.250 BETA .000
◇	16.240			

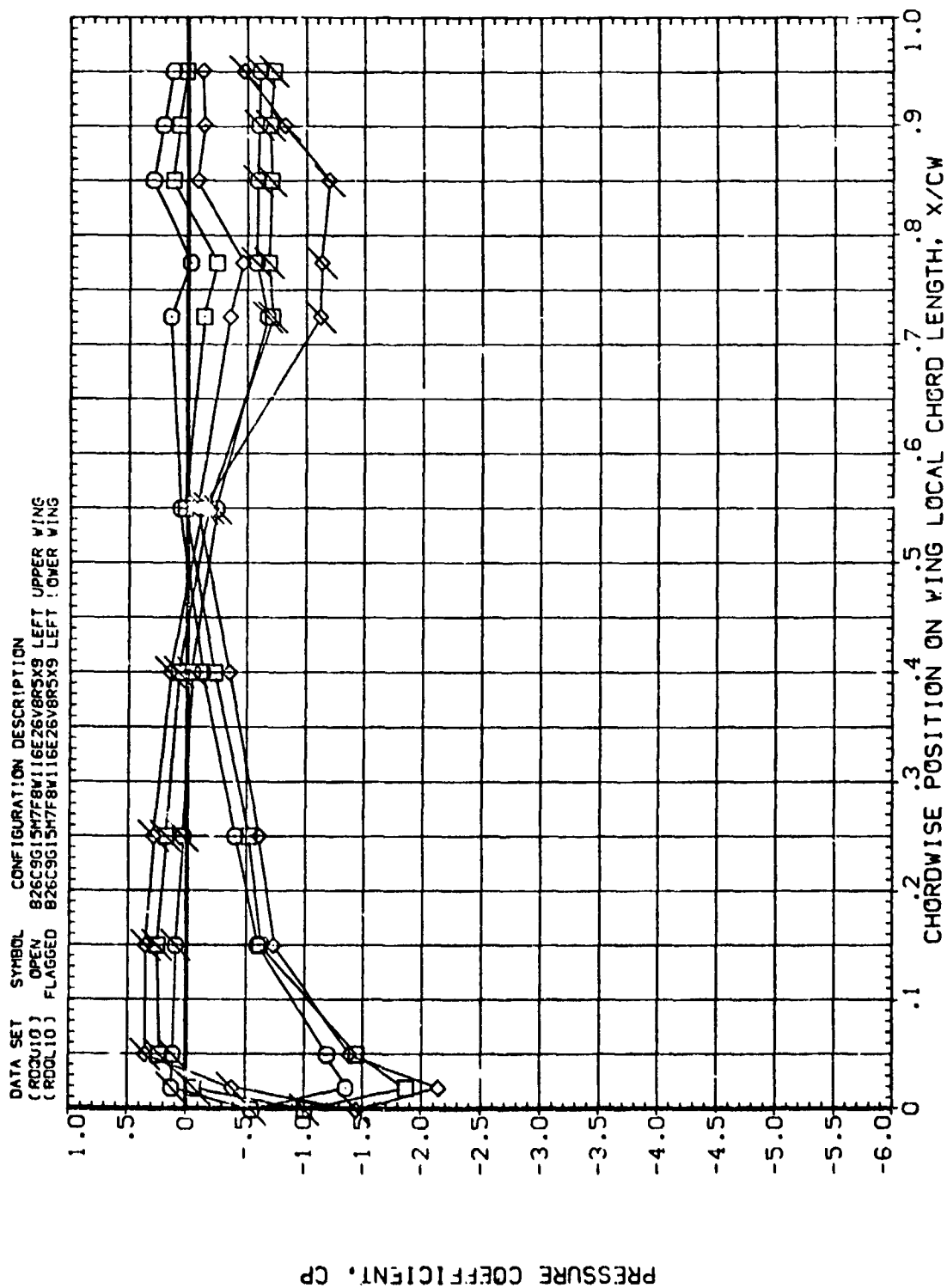


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BW	BETA	PARAMETRIC VALUES	
□	-2.950	.673	-0.010	ELEVON	-40.000
◇	.050			BDFLAP	-14.250
	5.030				BETA
					.000
					.000

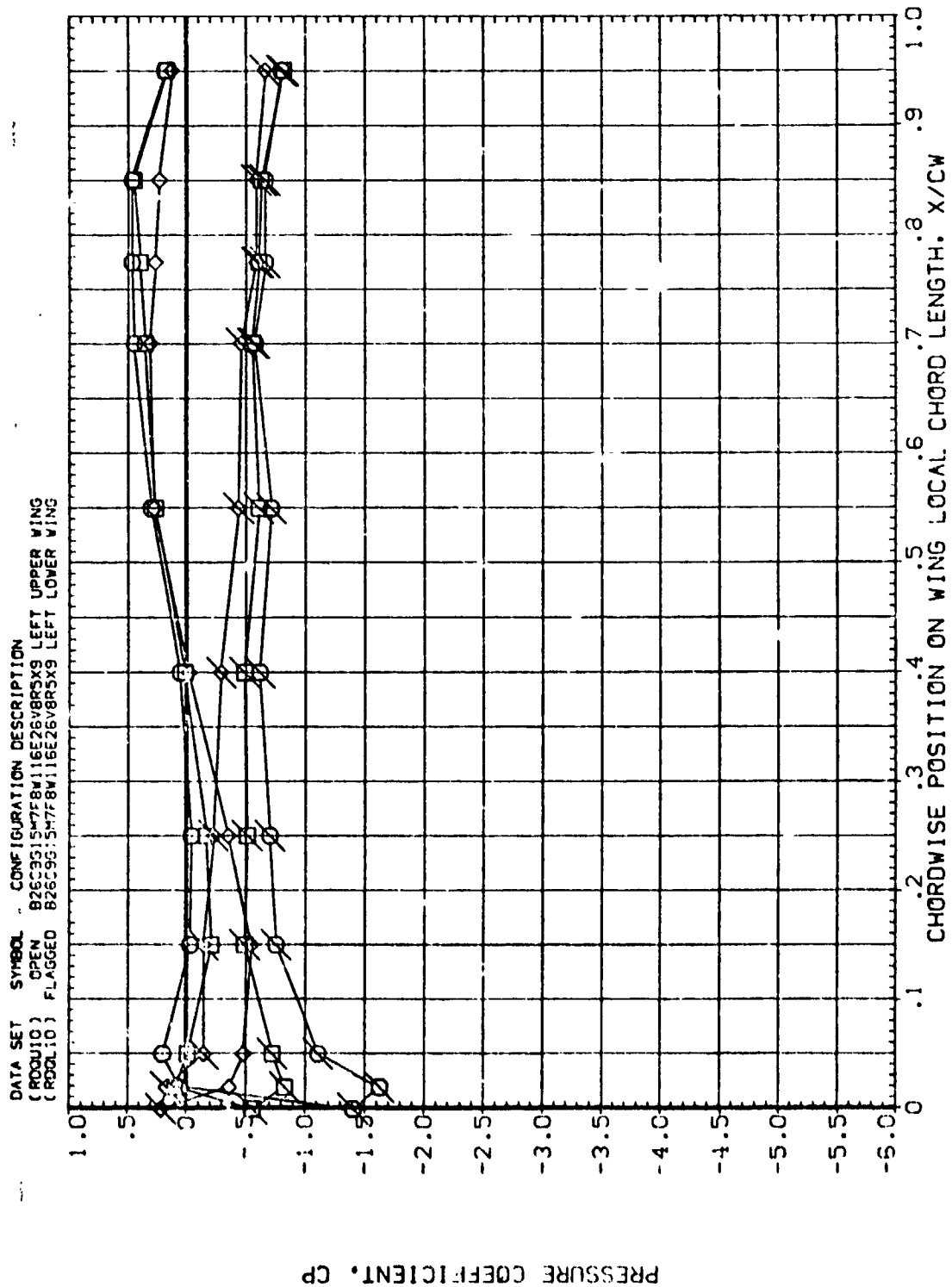


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
	10.100	.673	-0.010	ELEVON	-40.000	RUDDER
	13.220			BDFLAP	-14.250	BETA
	16.240					

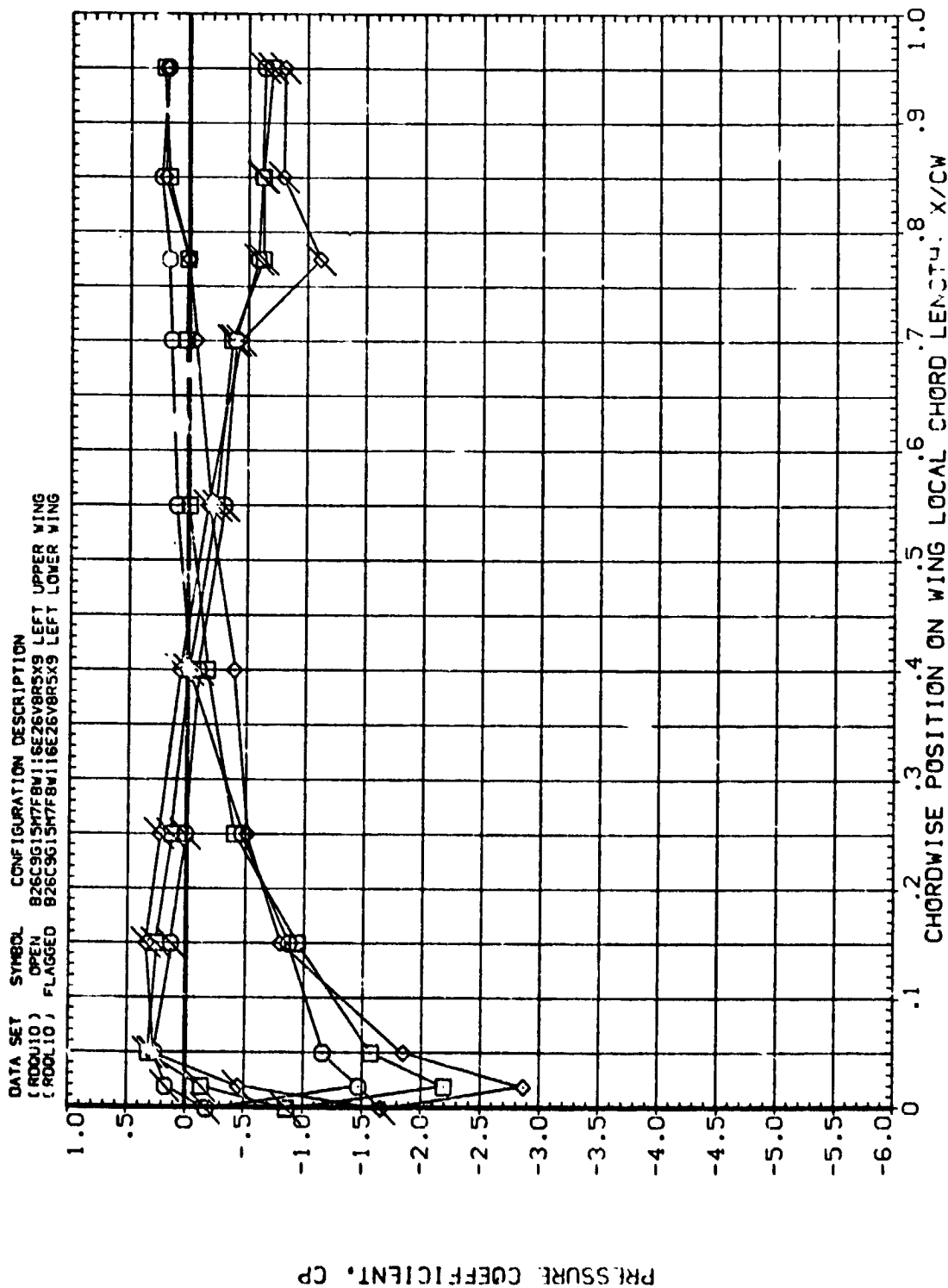


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL ALPHA Y/BV BETA PARAMETRIC VALUES
 -2.950 .780 -.010 ELEVON .000
 .050 80FLAP .000
 5.030 BETA .000

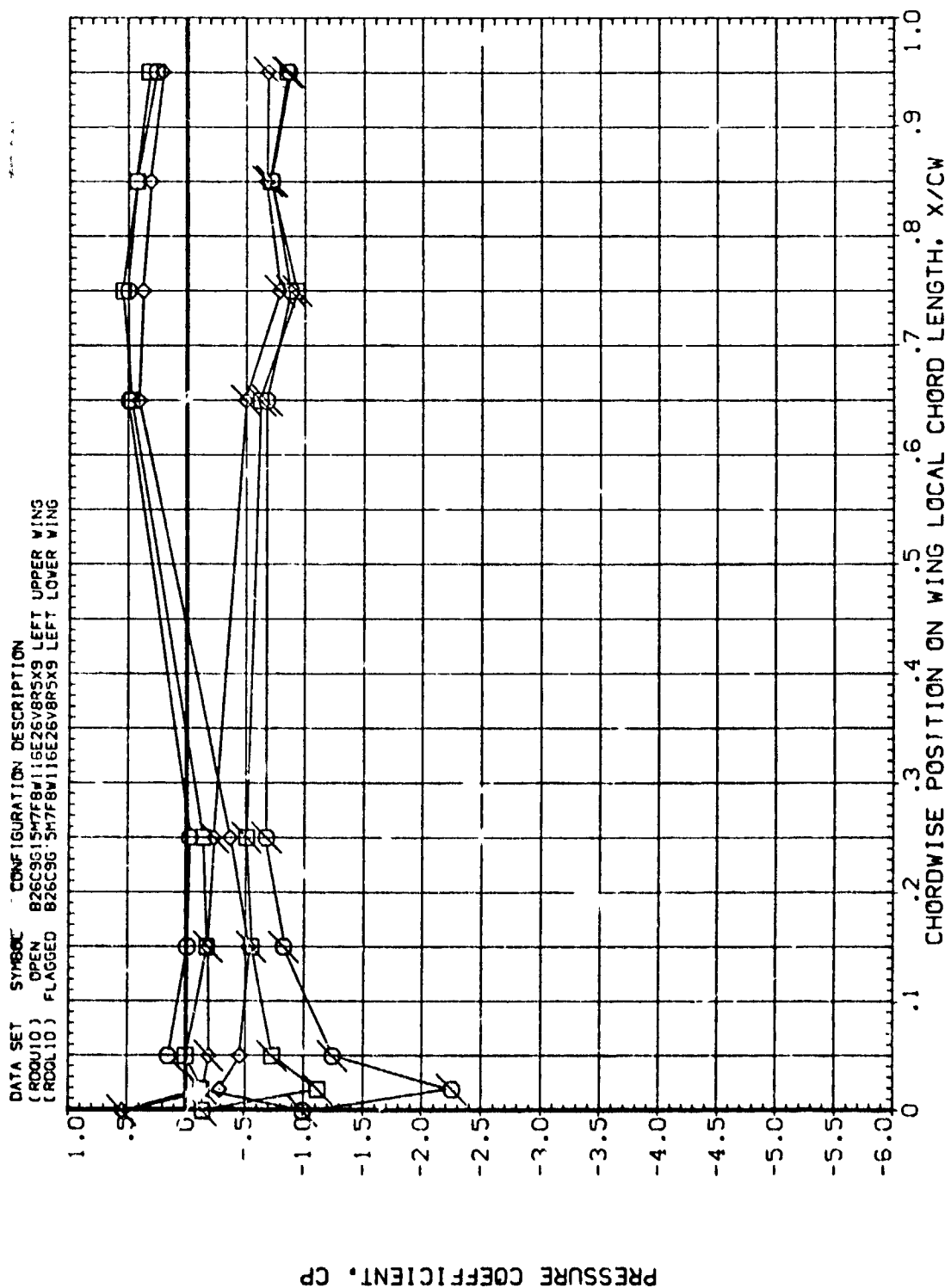


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL ALPHA Y/BV BETA
 10.100 .780 -.010
 13.220
 16.240

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

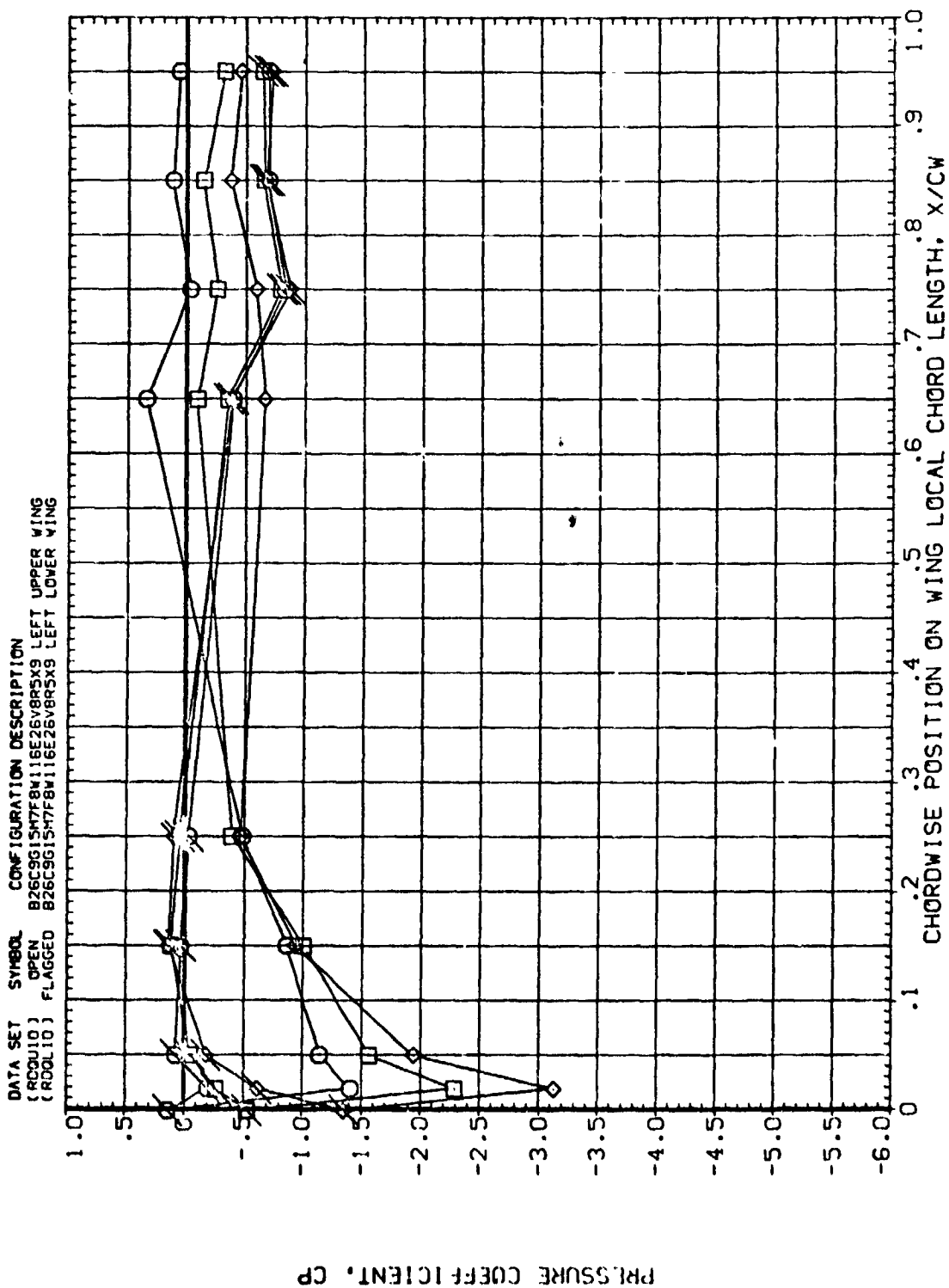


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES		
□	-2.950	.887	-.010	ELEVON	-40.000	RUDDER
◇	.050			BDFLAP	-14.250	BETA
	5.030					.000

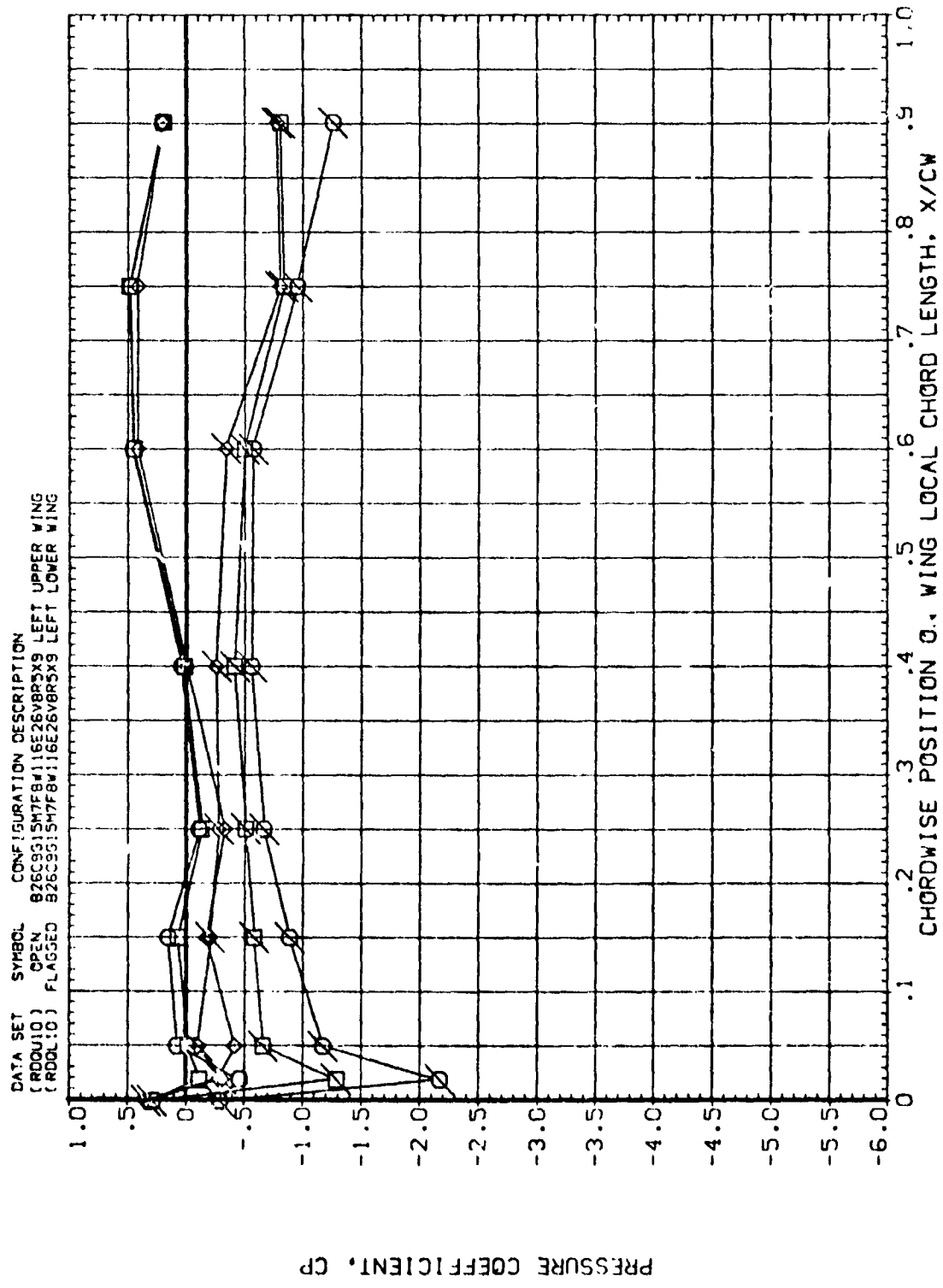


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

SYMBOL ALPHA Y/BW BETA
 10.100 .887
 13.220
 16.240

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA .000

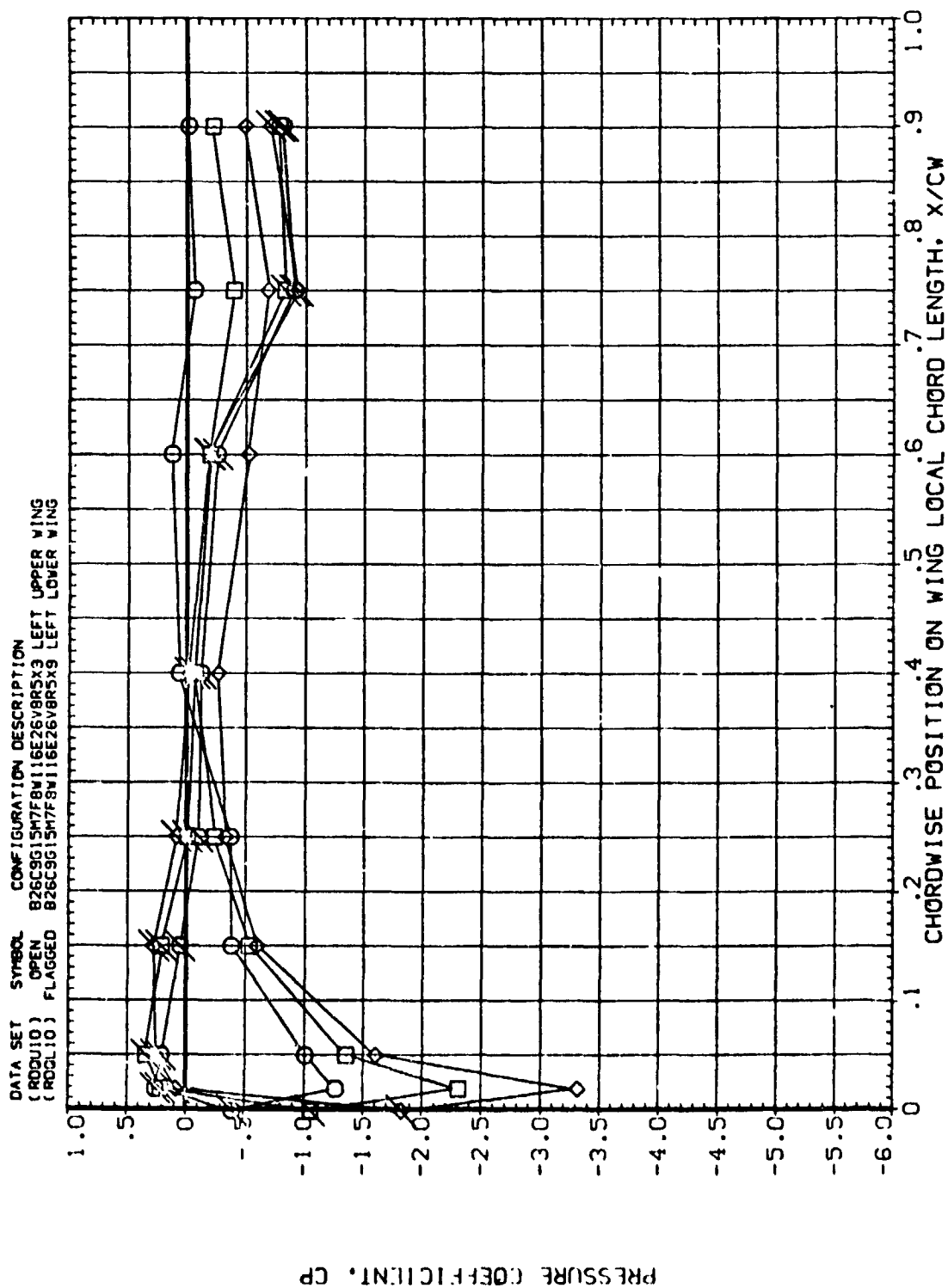


FIG. 32 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = 0

E

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES
◇	-2.970	.299	10.050	ELEVON -40.000 RUDDER .000
□	-0.030			BDFLAP -14.250 BETA 10.000
◇	5.020			

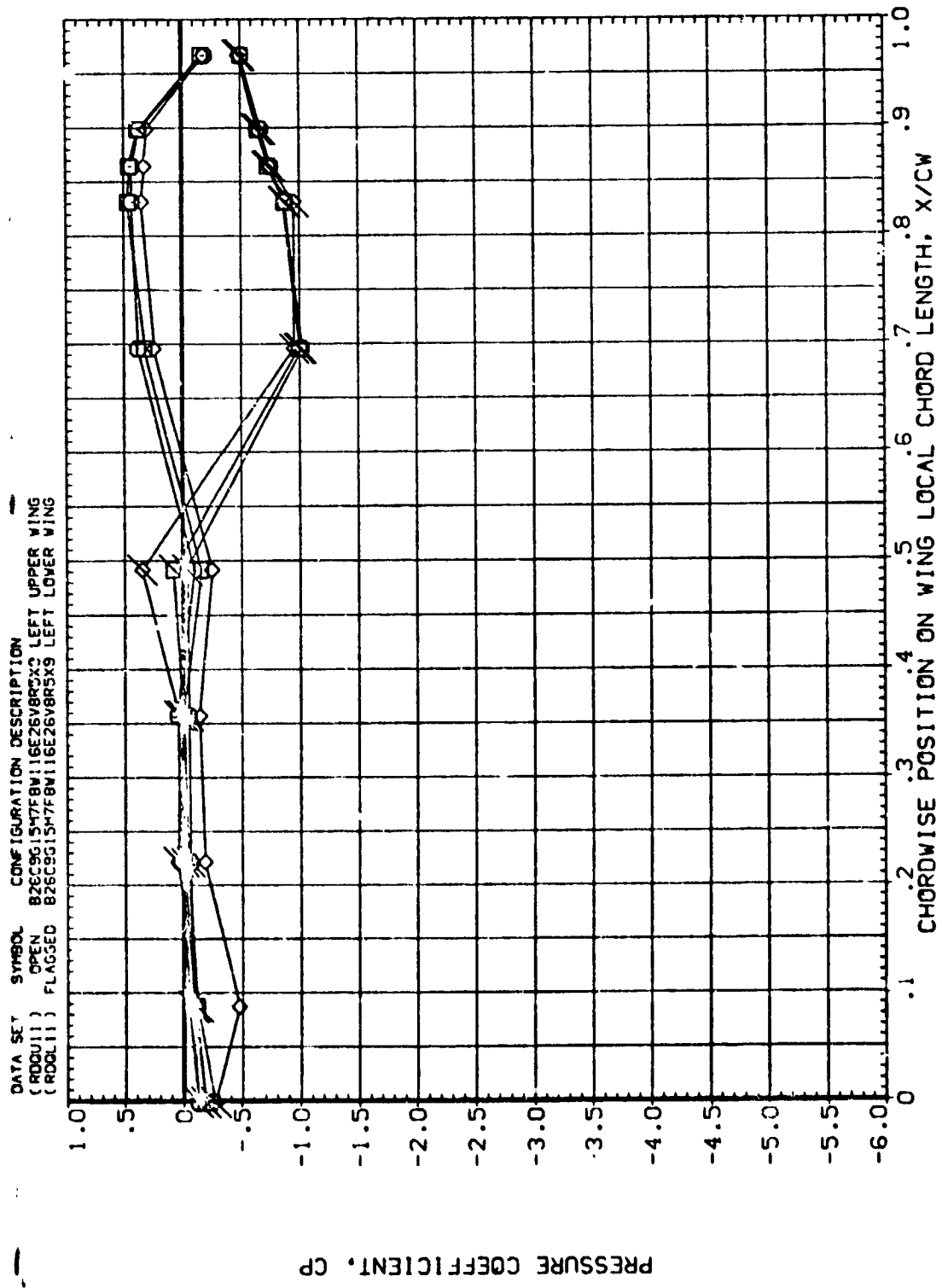


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	10.120	.299	10.050	80FLAP	-40.000 RUDDER
◇	13.190				-14.250 BETA
	16.220				10.000

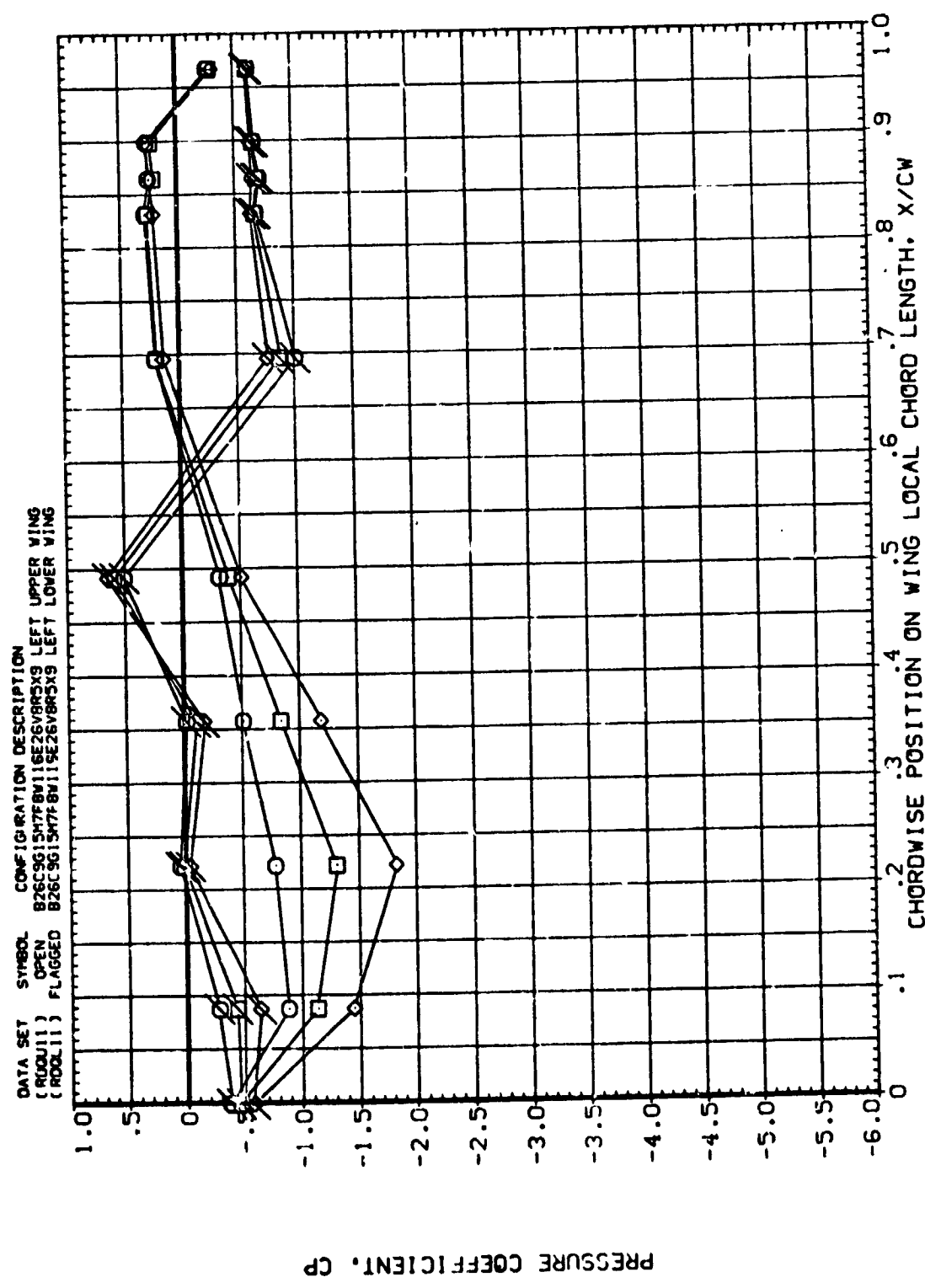


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
□	-2.970	.352	10.050	BDFLAP	-40.000 RUDDER
◇	-0.030				-14.250 DELTA
	5.020				10.000

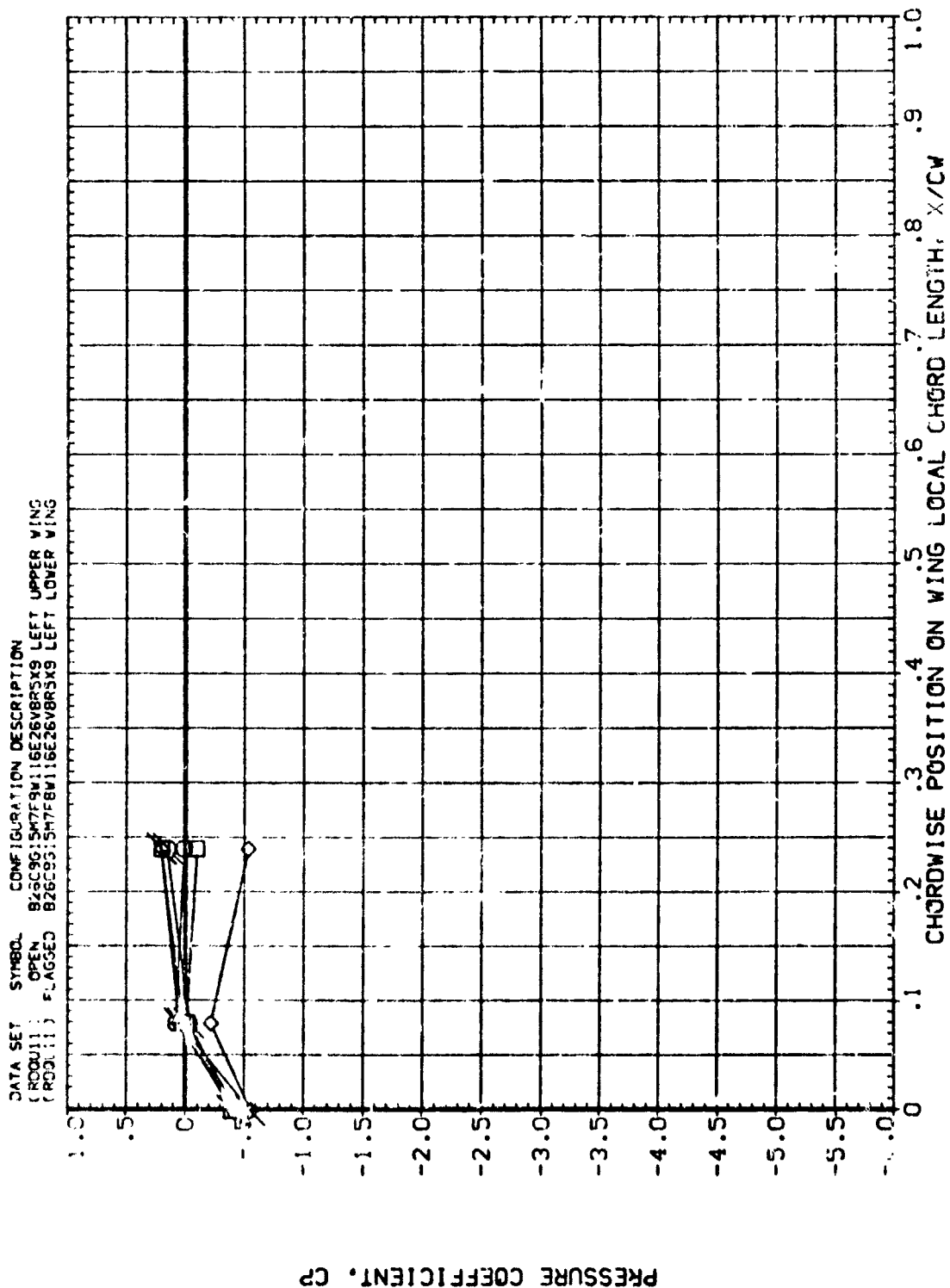


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.352	10.050	BDFLAP	-40.000 RUDDER
□	13.190				-14.250 BETA
◇	16.220				10.000

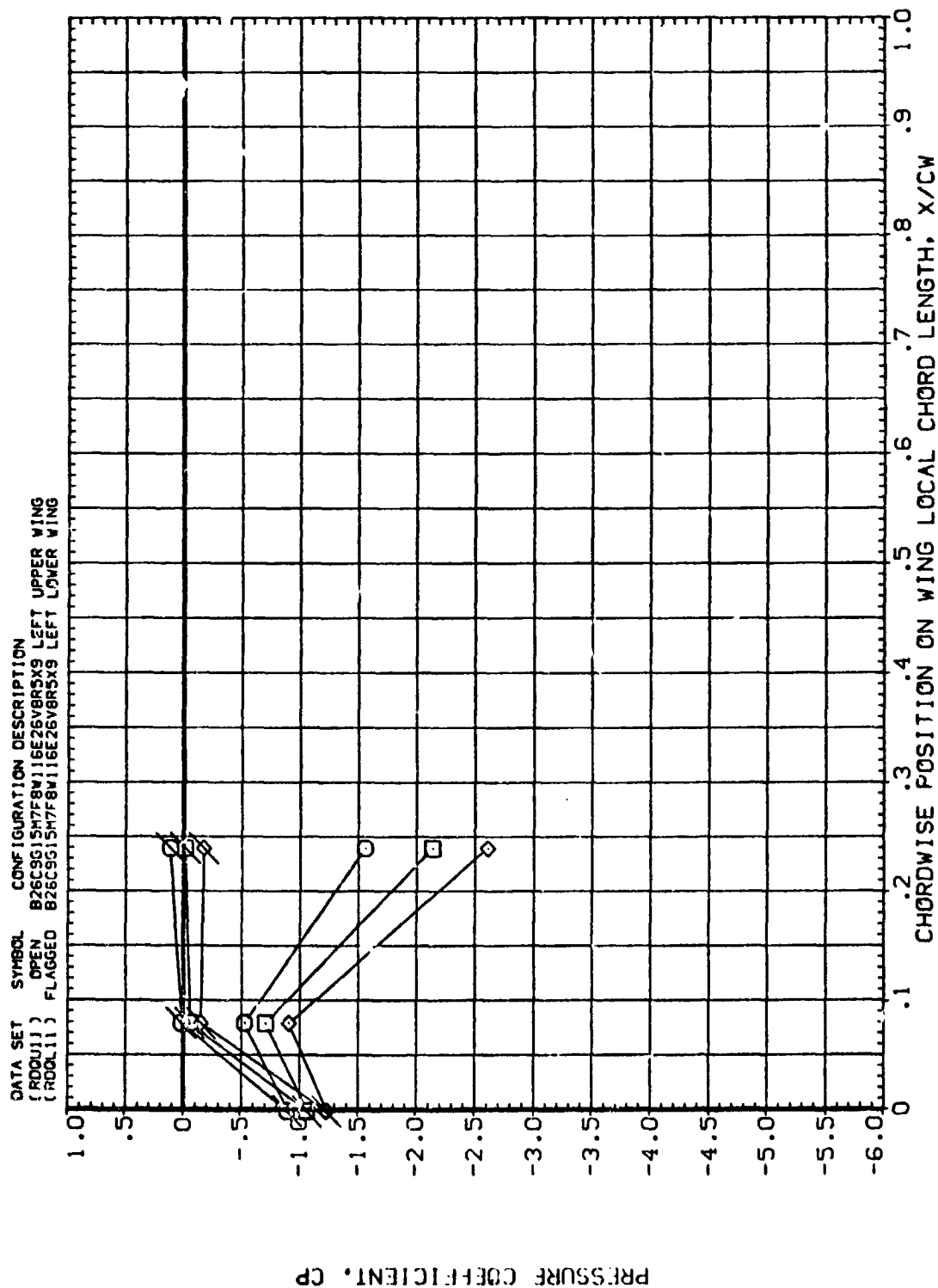


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL ALPHA Y/BW BETA

□ -2.970 .405 10.050

◇ -0.30 5.020

PARAMETRIC VALUES

ELEVON -40.000 RUDDER .000

BDFLAP -14.250 BETA 10.000

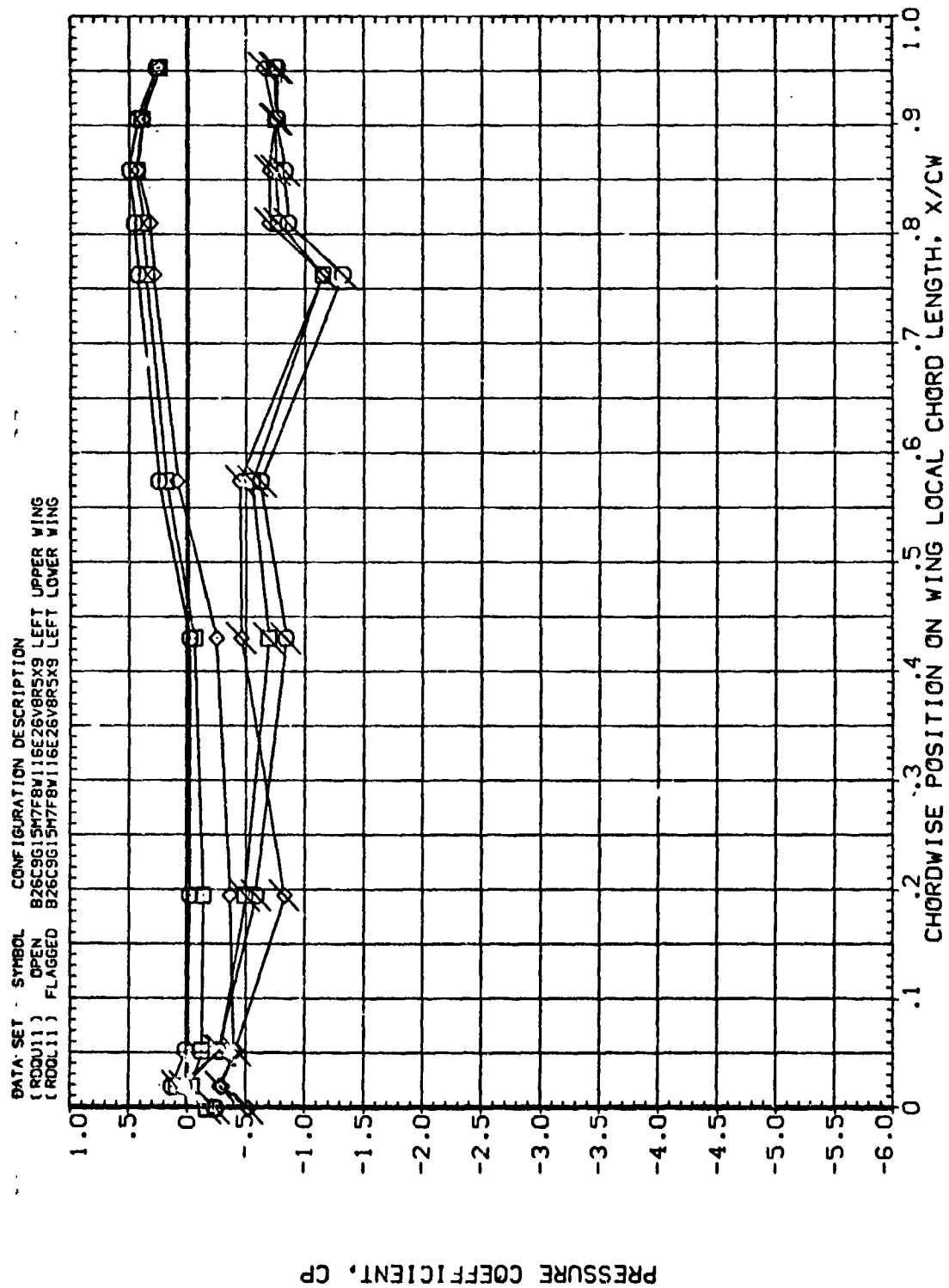


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	10.120	.405	10.050	-40.000	-14.250	RUDDER .000
◇	13.190					BETA 10.000
◇	16.220					

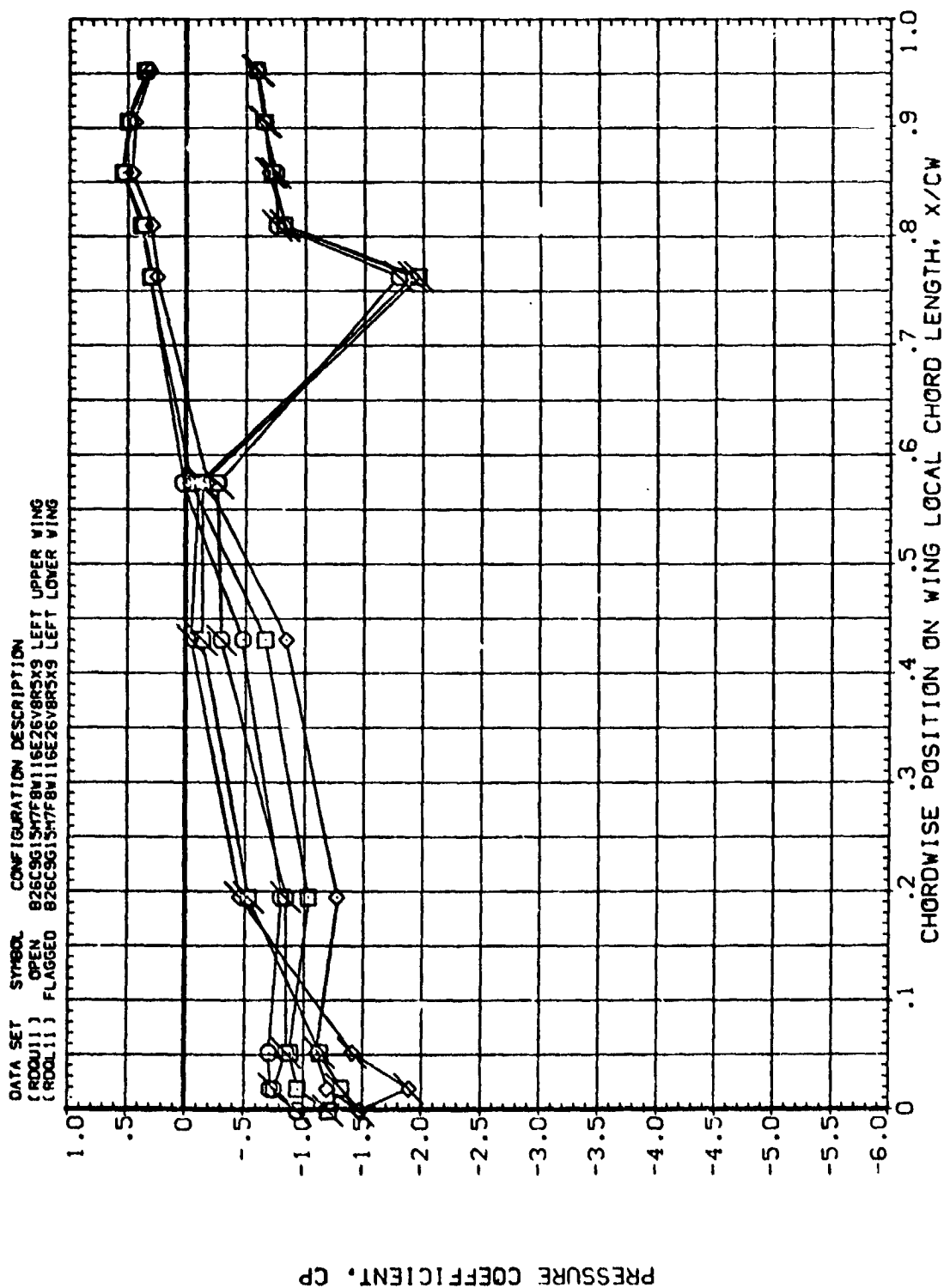


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	Y/BV	BETA	PARAMETRIC VALUES	
	-2.97	.534	10.050	ELEVON	-40.000
	.030			80FLAP	-14.250
◇	5.020			BE" A	10.000

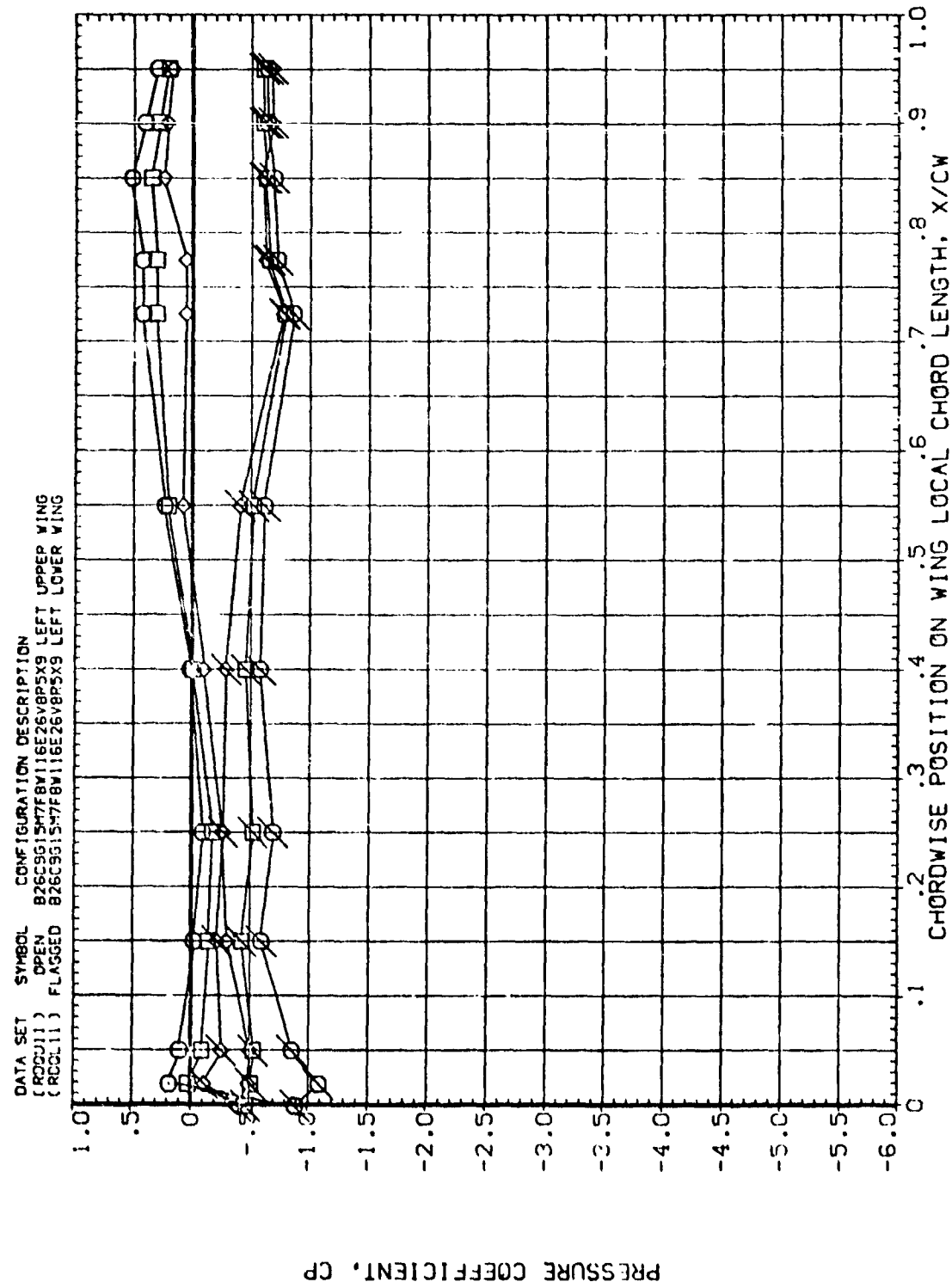


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

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SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
○	10.120	.534	10.050	80FLAP	-40.000 RUIJTER .000
□	13.190				-14.250 BETA 10.000
◇	16.220				

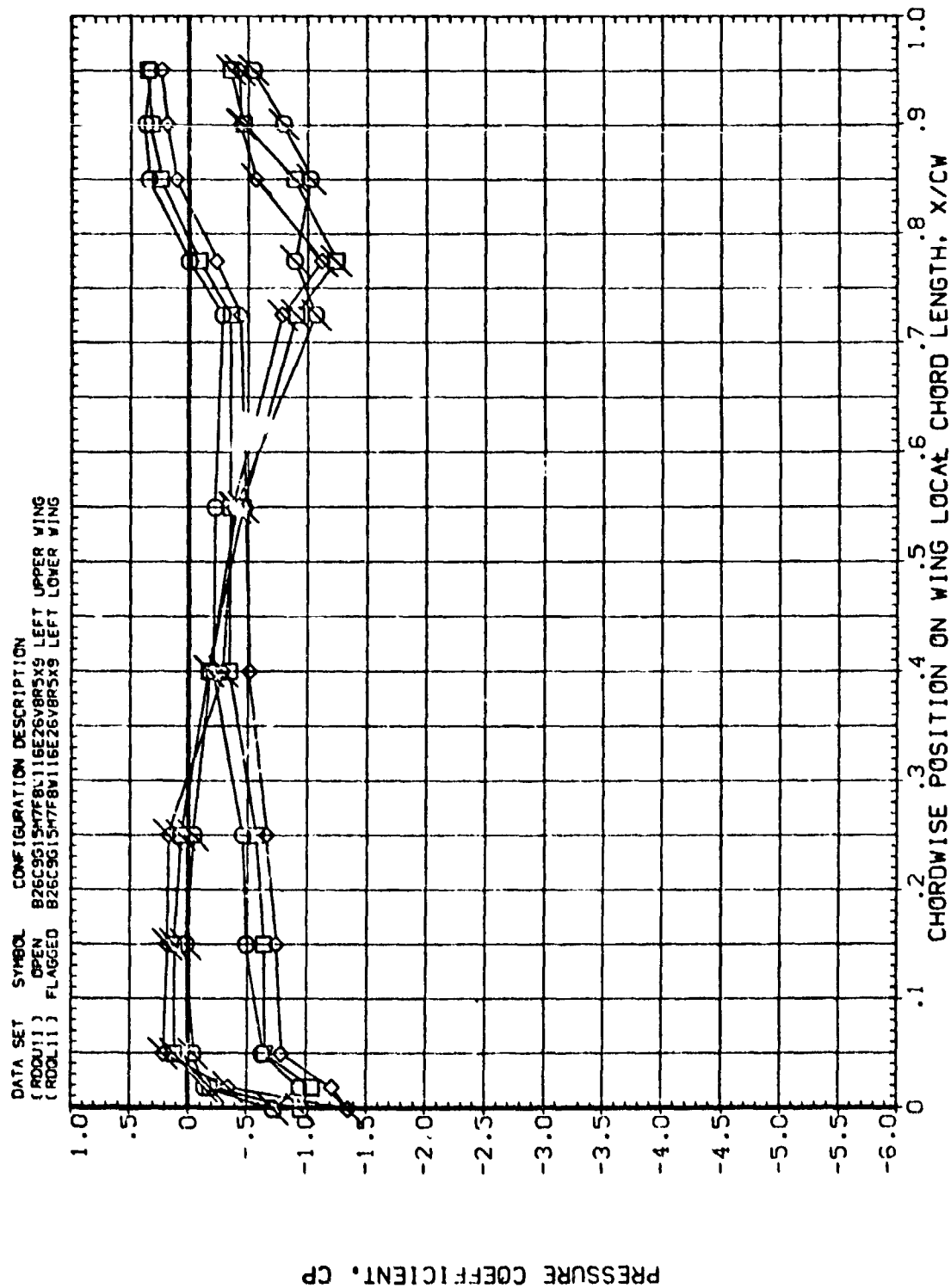


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

C

SYMBOL	ALPHA	Y/BV	BETA	ELEVON	PARAMETRIC VALUES
◇	-2.970	.673	10.050	BOFLAP	-40.000
□	.030				PRDCEP
◇	5.020				BETA
					10.000

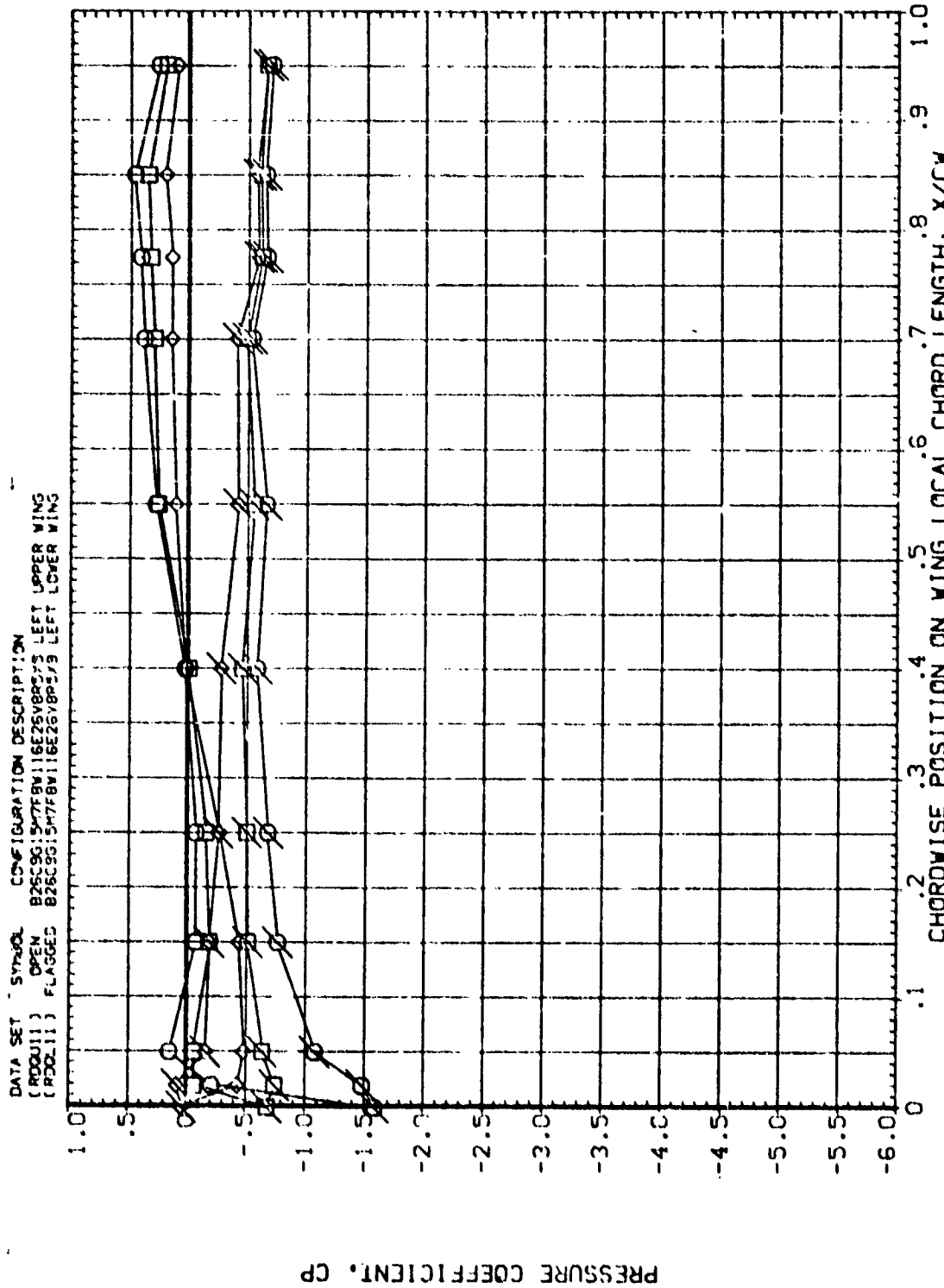


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL	ALPHA	V/BV	BETA	ELEVON	BOFLAP	PARAMETRIC VALUES
□	10.120	.673	10.050	-40.000		RUDDER
◇	13.190			-14.250		BETA
	16.220					10.000

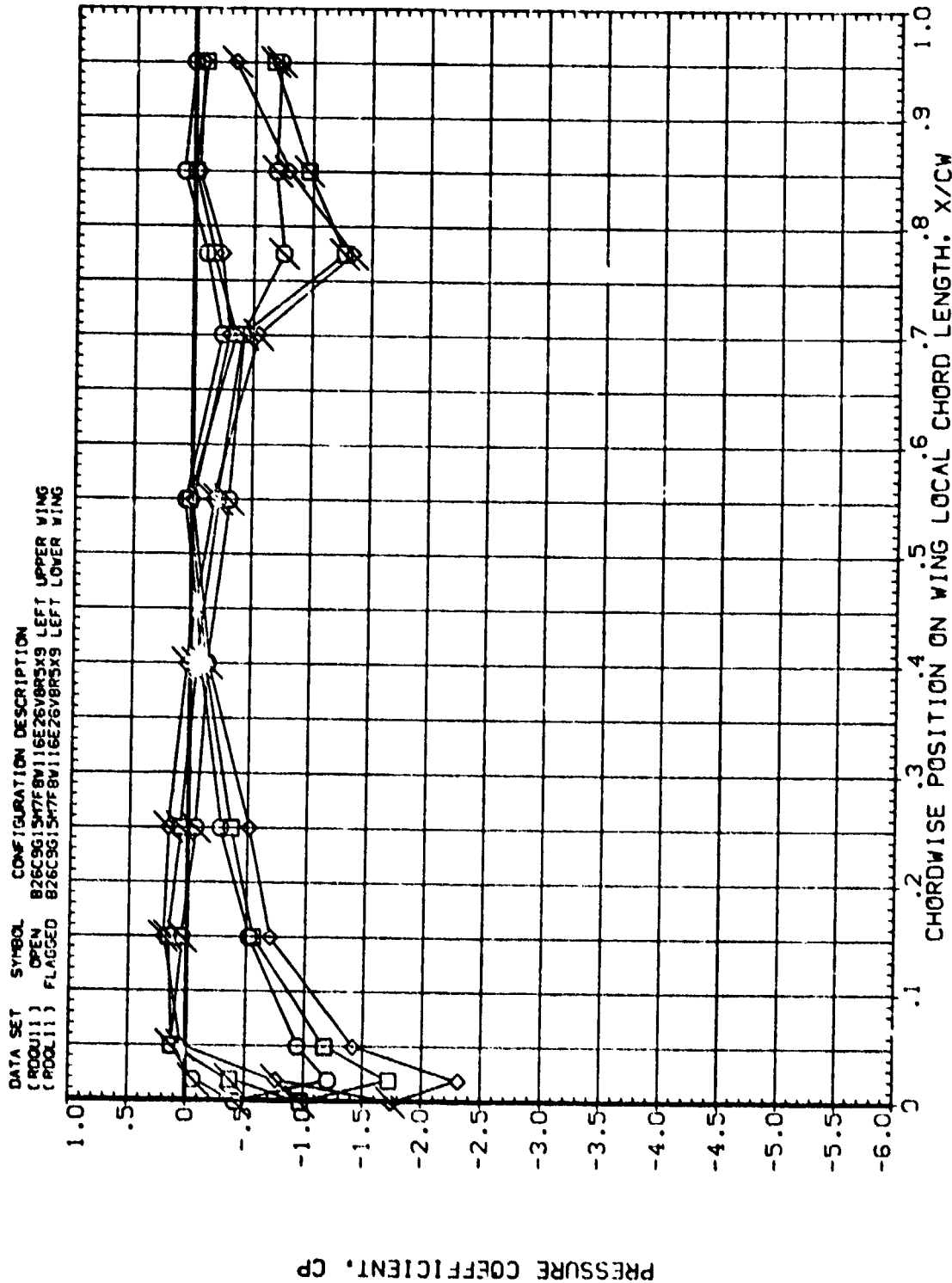


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

PARAMETRIC VALUES
ELEVON -40.000 RUDDER .000
BDFLAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BV BETA
-2.970 .780 10.050
.030
5.020

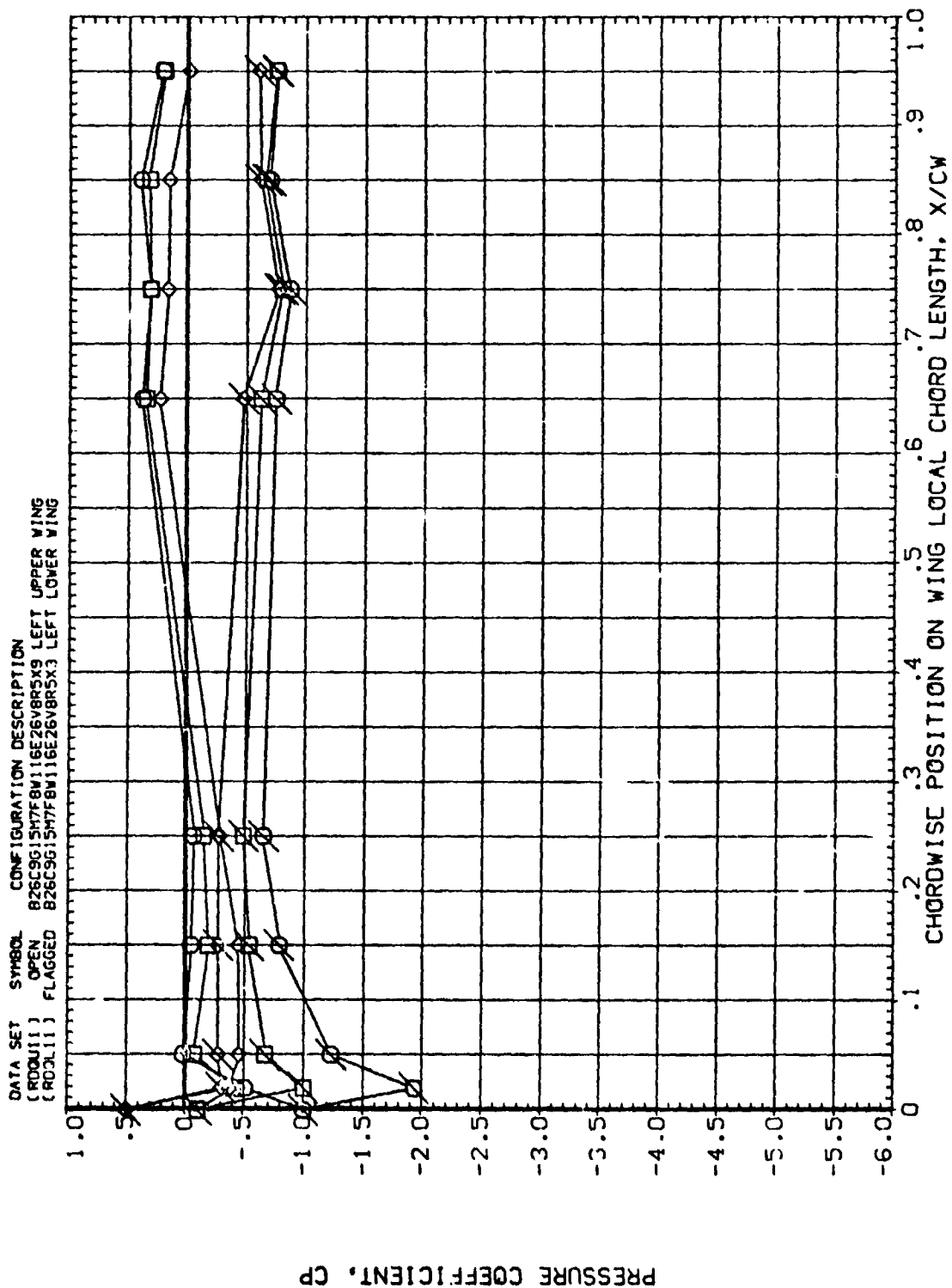


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

SYMBOL ALPHA Y/BW BETA
 10.120 .780 10.050
 13.190
 16.220

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00U11) OPEN B26C5G15H7F8W116E26Y8R5X9 LEFT UPPER WING
 (R00L11) FLAGGED B26C5G15H7F8W116E26Y8R5X9 LEFT LOWER WING

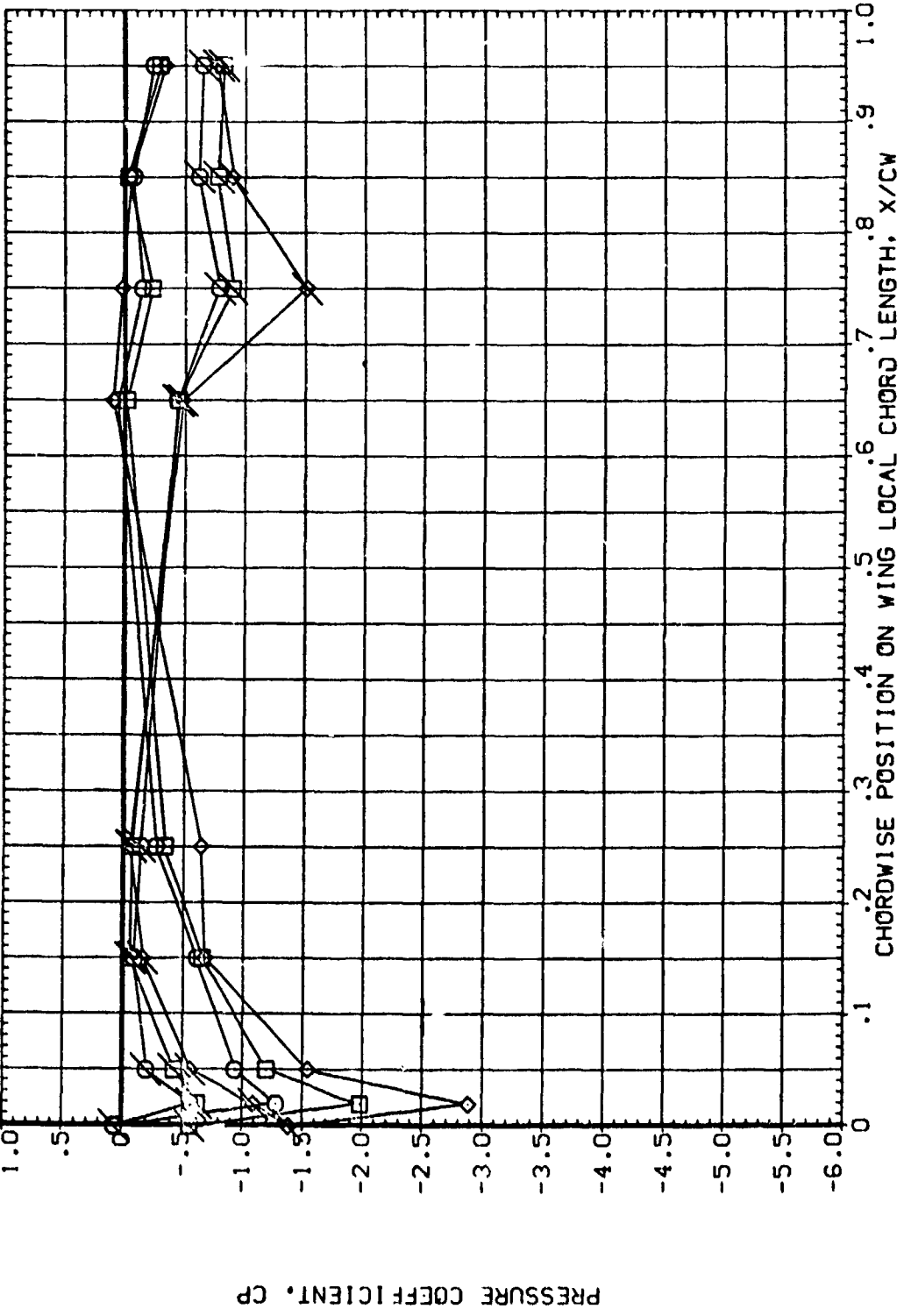


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

PARAMETRIC VALUES	
-40.000	RUDDER
-14.250	BETA
	.000
	! 0.000

ELEVON
BOFLAP

050.01
BETA

Y/8V
.887

SYMBOL	ALPHA
○	-2.970
□	.030
◇	5.020

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION
(R00J11)	OPEN	B26C9G15M7F8W16E26V8R5X9 LEFT UPPER WING
(R03L11)	FLAGGED	B26C9G15M7F8W16E26V8R5X9 LEFT LOWER WING

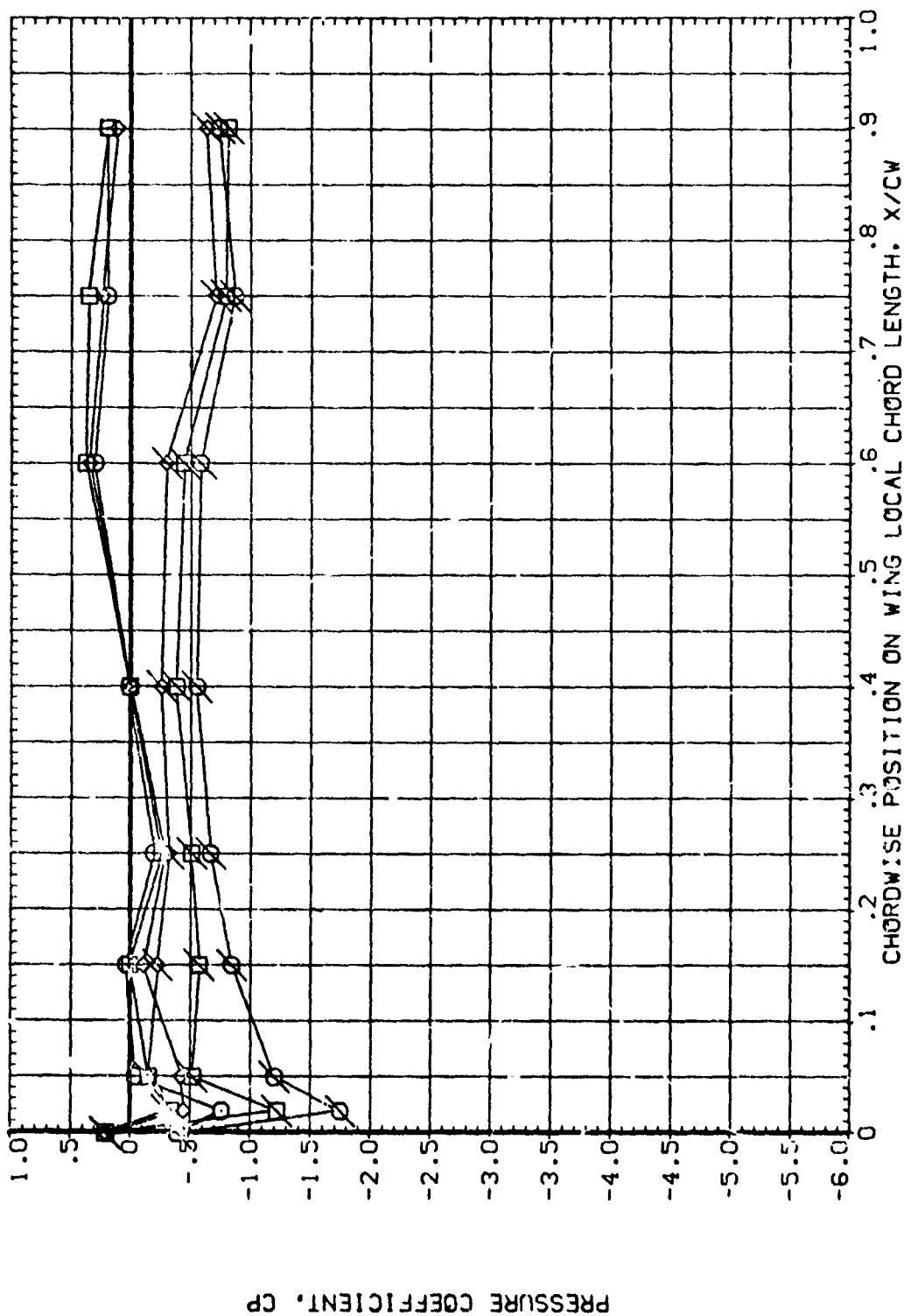


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

SYMBOL ALPHA
 10.120
 13.190
 16.220

Y/BW .987 BETA 10.050

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BOFLAP -14.230 BETA 10.000

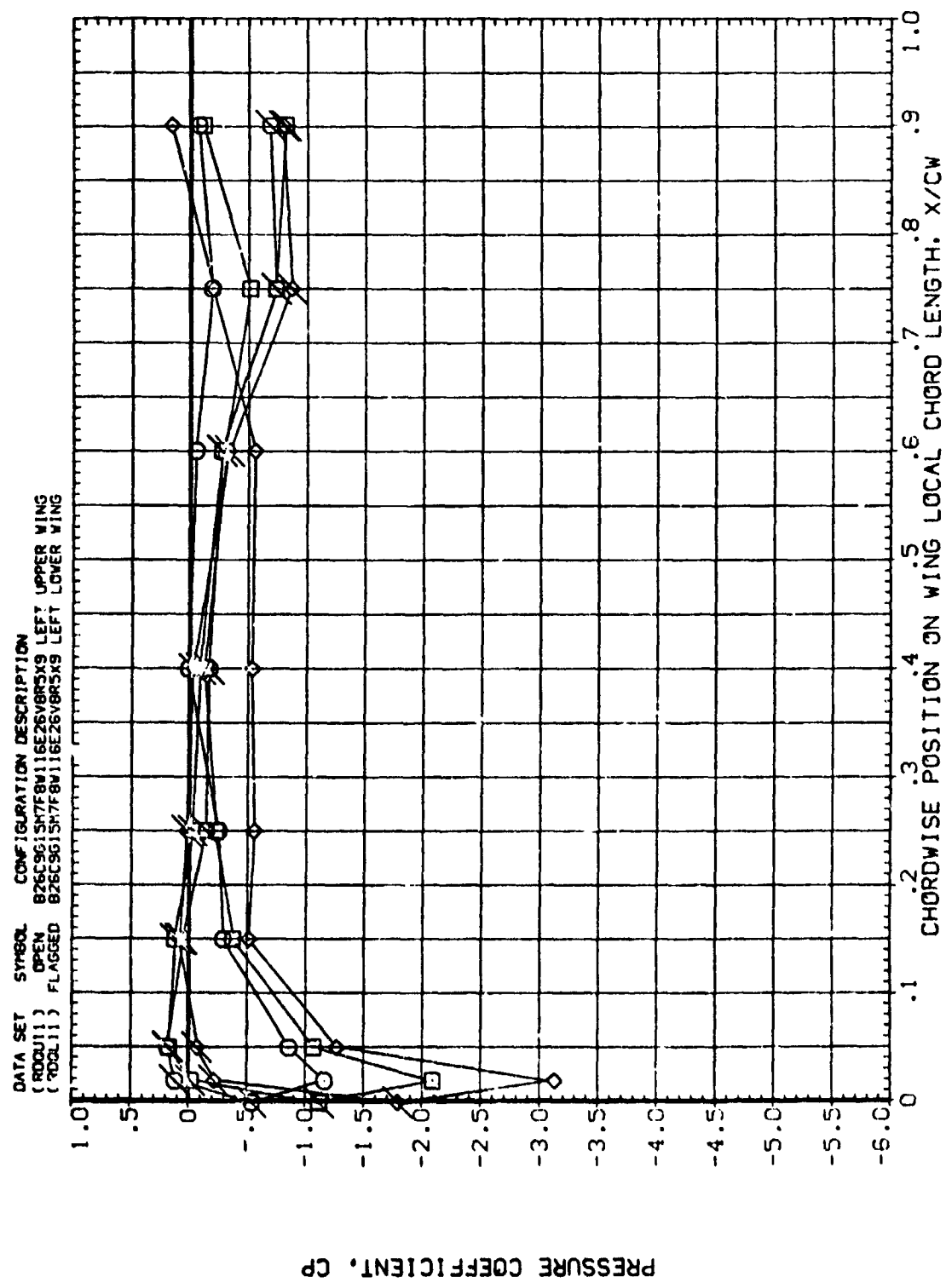


FIG. 33 WING CHORDWISE PRESSURE DIST., ALPHA EFFECT, ELEVON = -40, BETA = +10

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00U03)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00U15)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(R00U12)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(R00U05)	B26C9G1SH7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00U15)	B26C9G1SH7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.533	.000
(R00U12)	B26C9G1SH7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

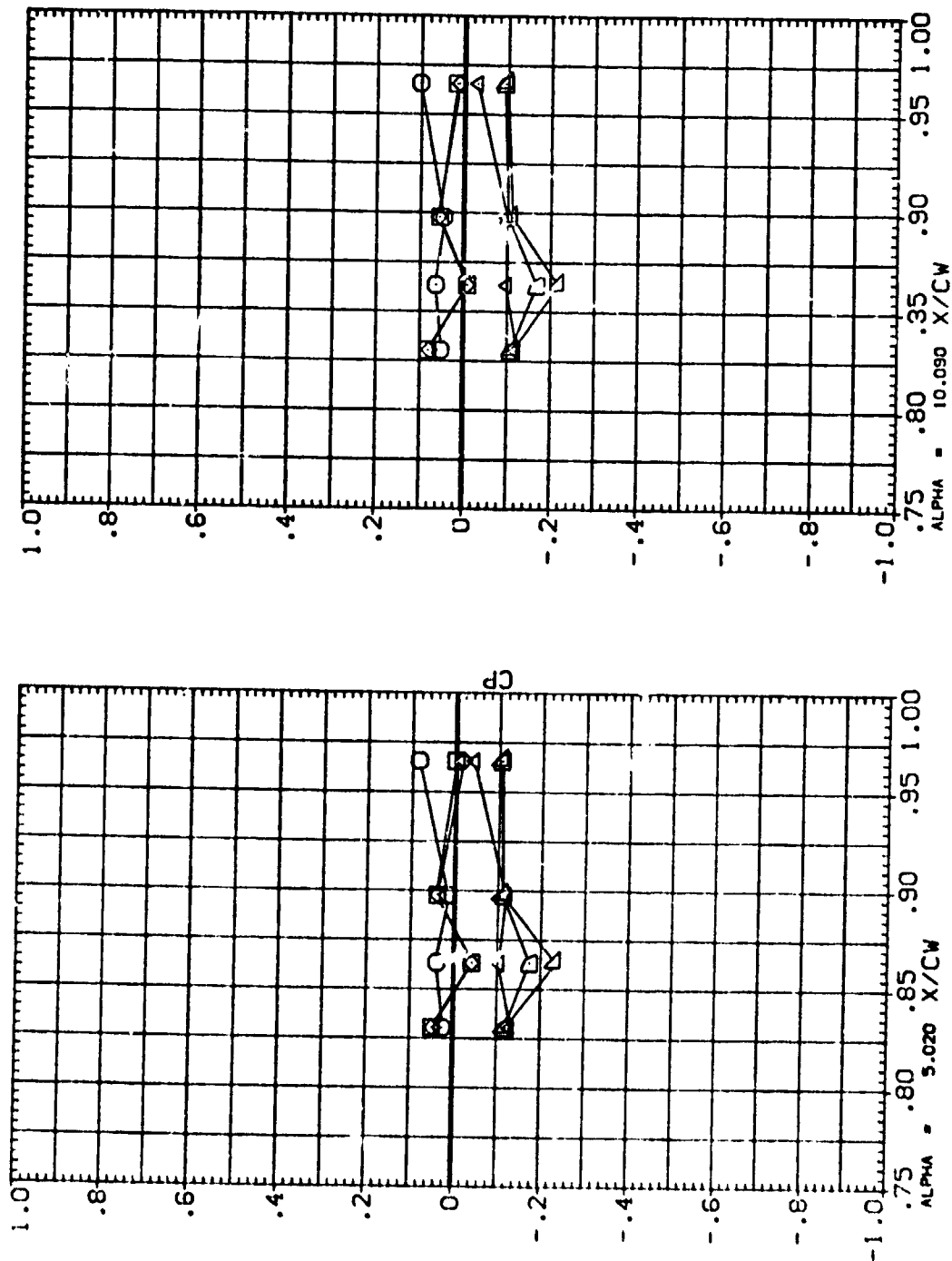


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00003)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00015)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(R00012)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(R00005)	B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00015)	B26C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.500	.000
(R00012)	B26C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

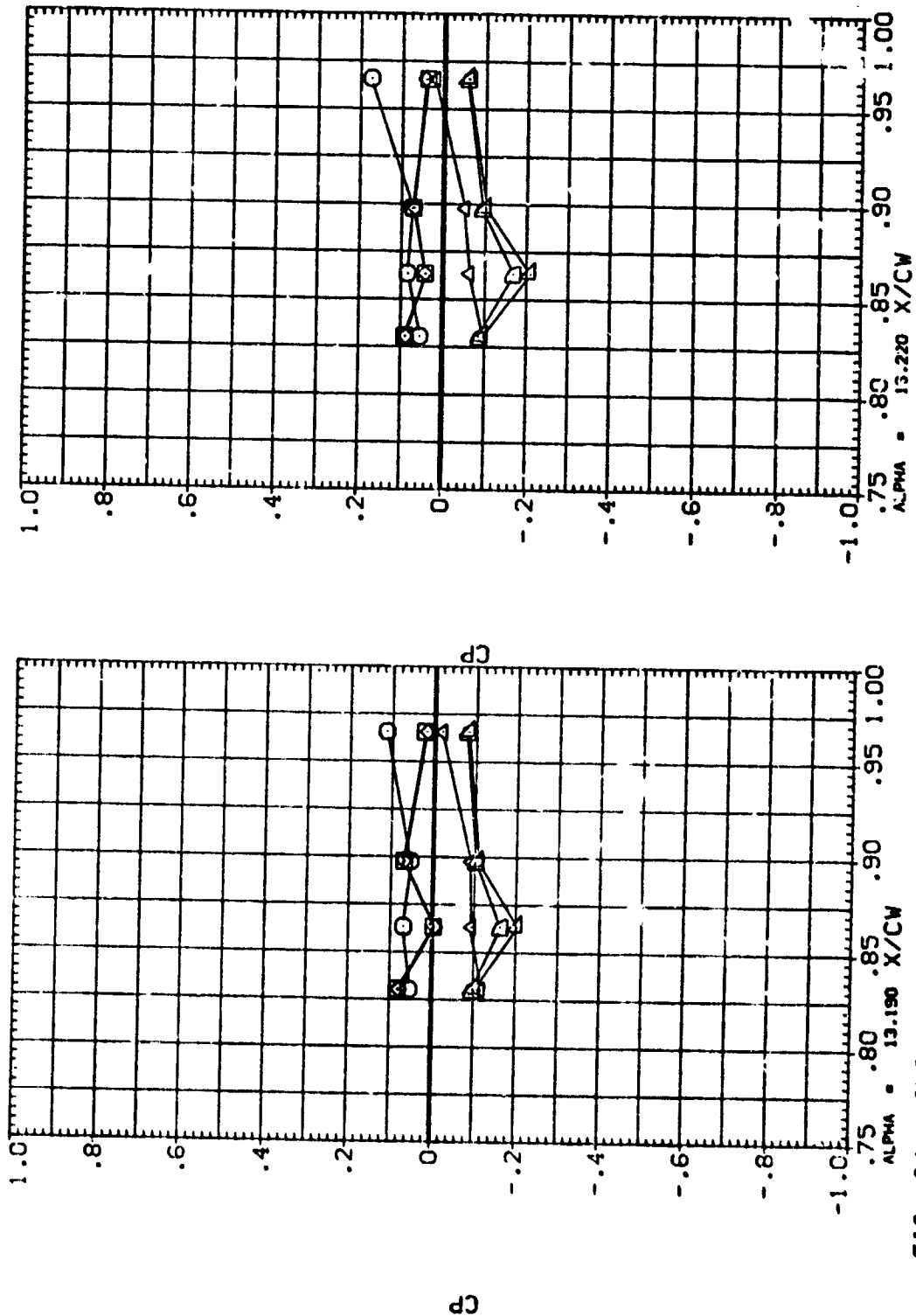


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .299

DATA SET SYMBOL

CONFIGURATION DESCRIPTION

(RCQJ03) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ15) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ12) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ05) B2C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RCQJ15) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING
 (RCQJ12) B2C9G15M7F8W116E26V8R5X9 RIGHT UPPER WING

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

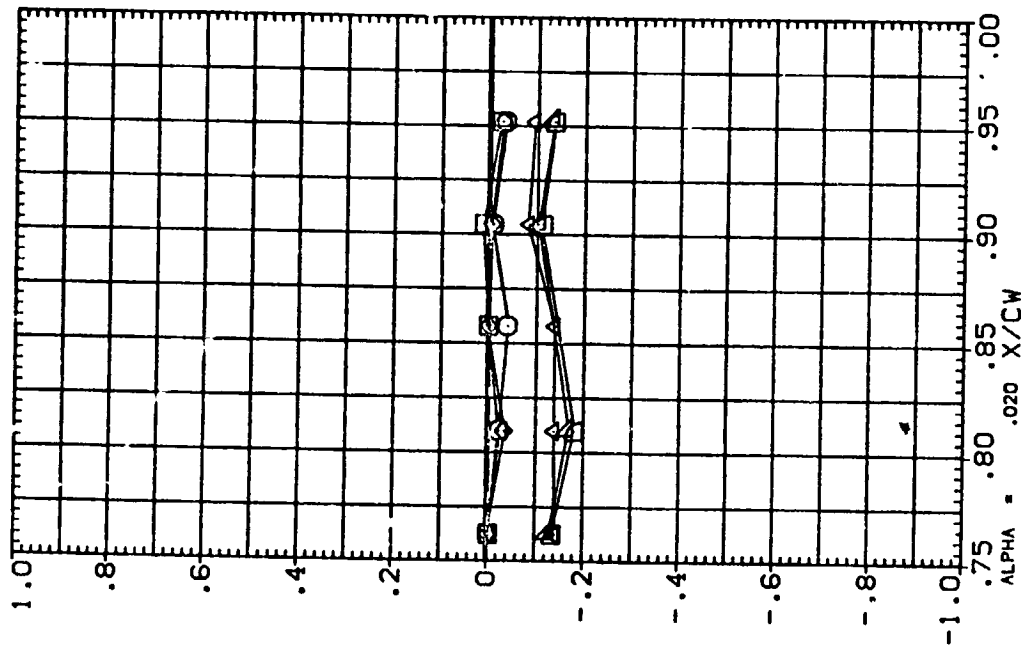
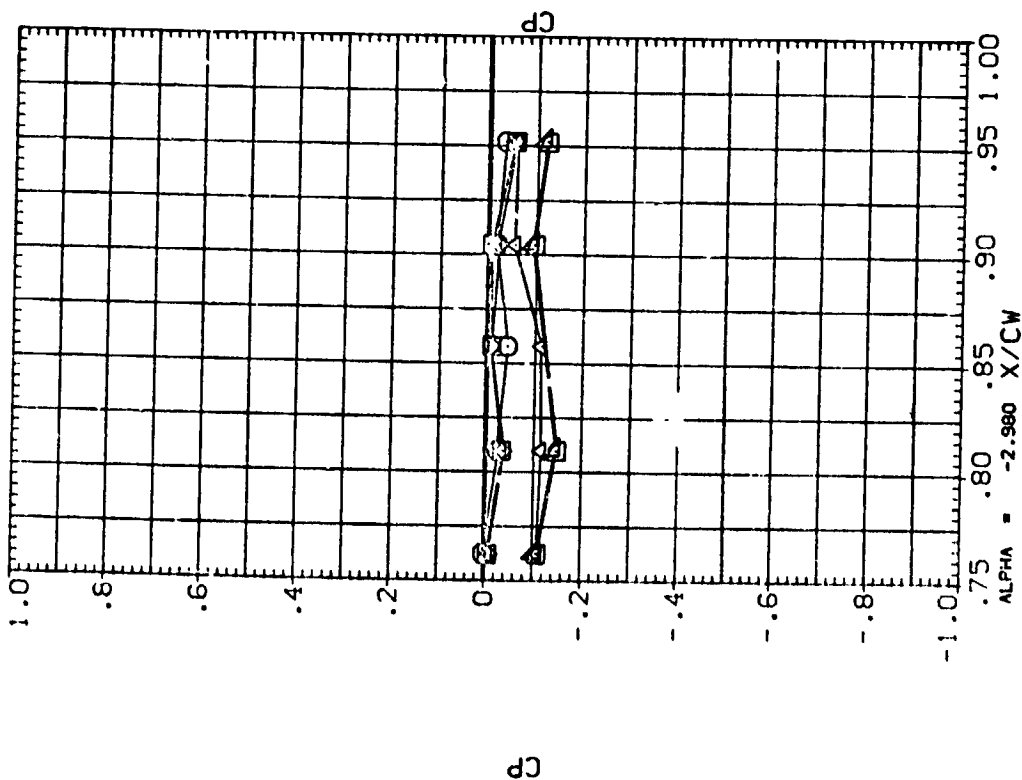


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .405

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCU03)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(RDCU15)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-7.500	.000
(RDCU12)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	-15.000	.000
(RDCU05)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(RDCU15)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-7.500	.000
(RDCU12)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	-10.000	-15.000	.000

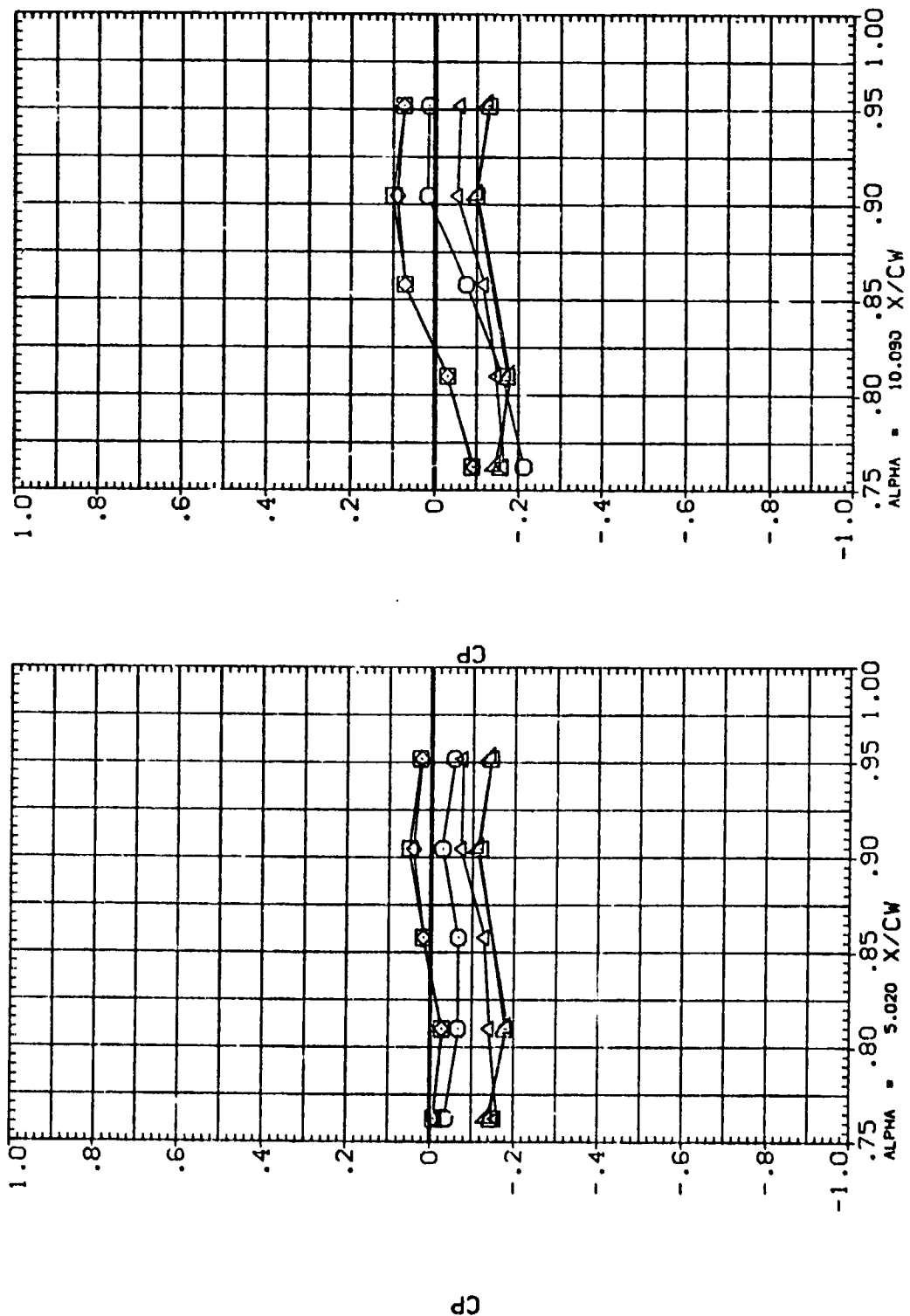


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.000 Y/BW = .405

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

RC0003	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0015	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0012	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0025	B26C9G15M7F8W11E26V8PSX9	LEFT UPPER WING
RC0015	B26C9G15M7F8W11E26V8PSX9	RIGHT UPPER WING
RC0012	B26C9G15M7F8W11E26V8PSX9	RIGHT UPPER WING

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

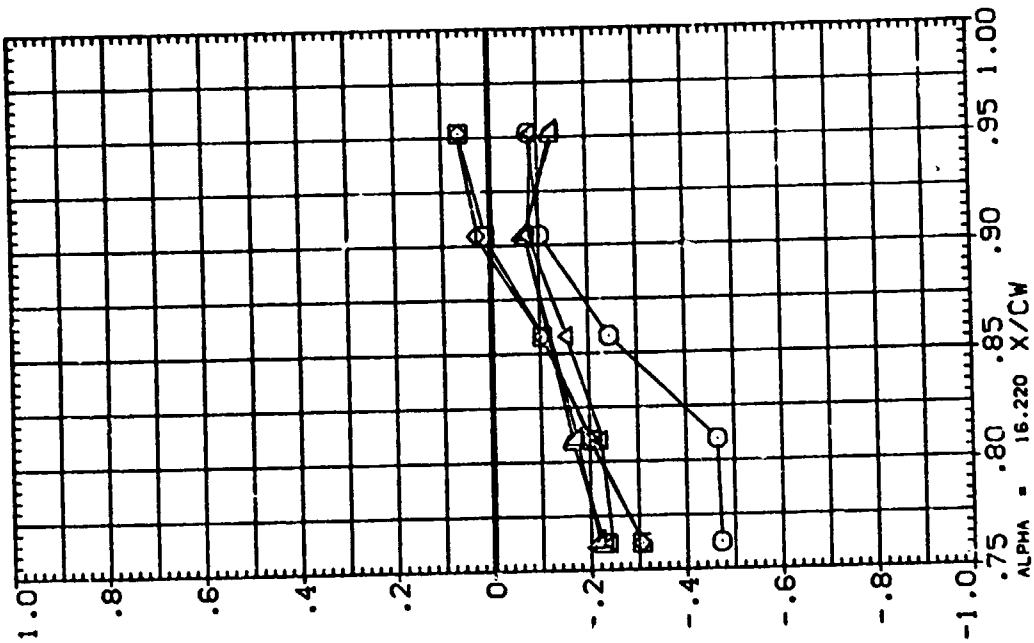
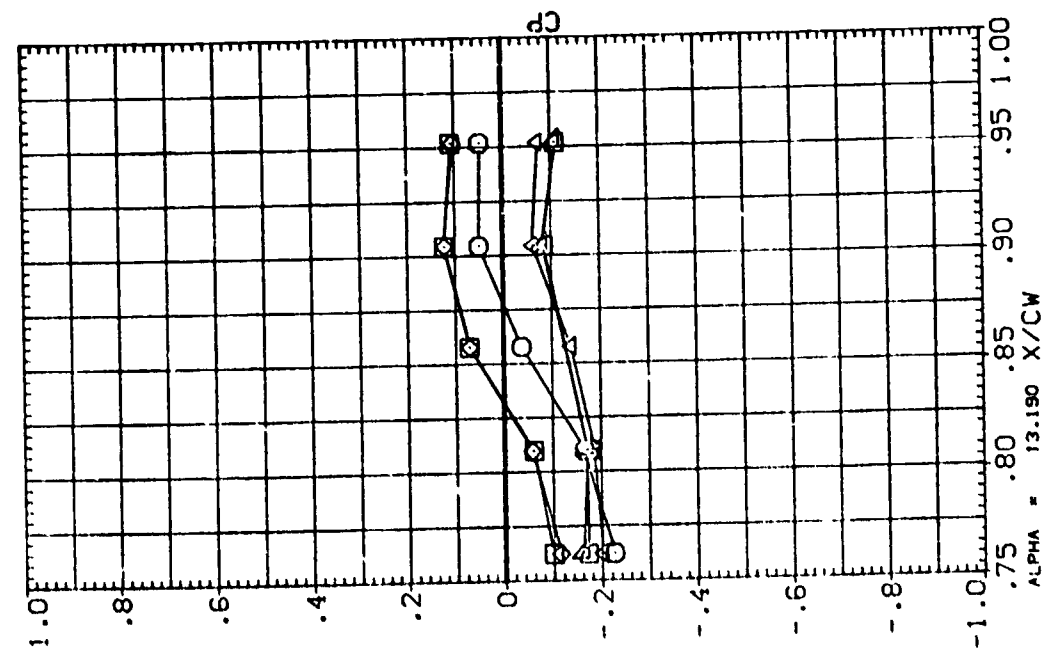
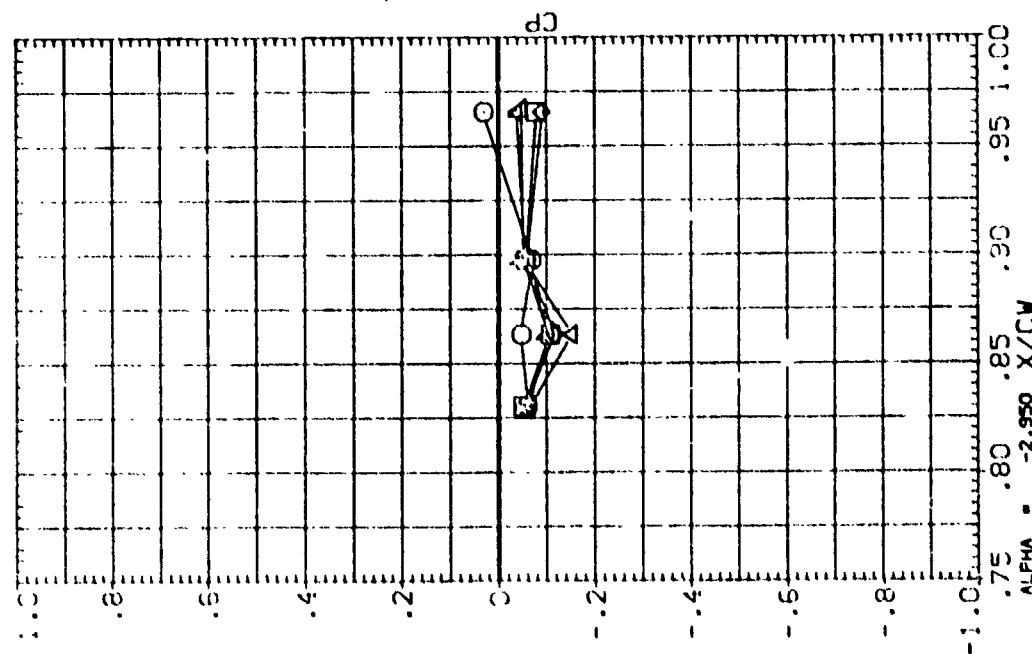
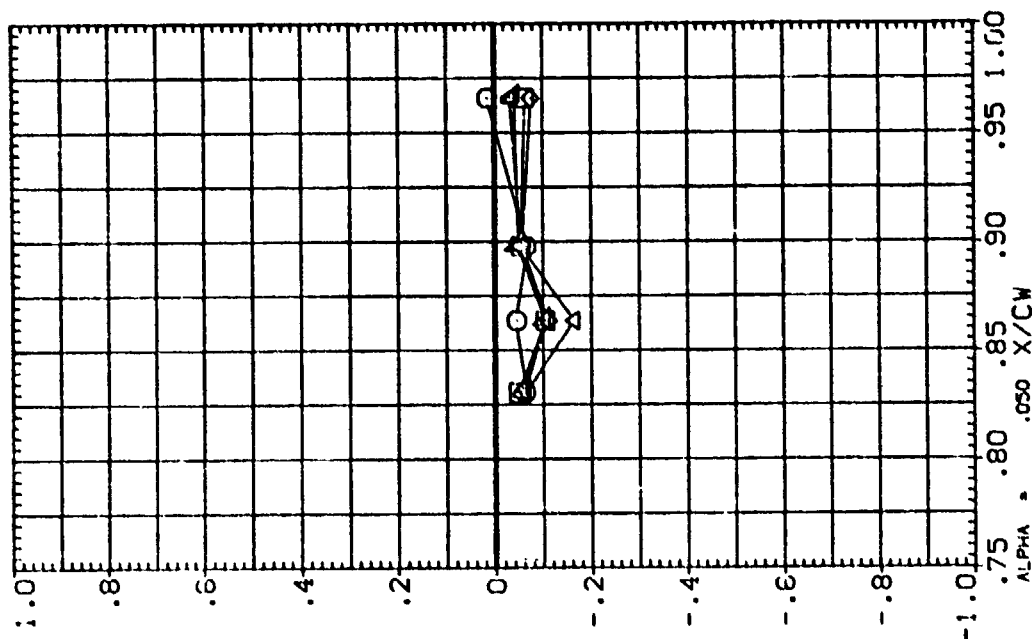


FIG. 34 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Y/BW = .405

TCRNAS .35 V.C



E.G. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

(RDC4) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC16) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC13) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC16) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING
 (RDC13) B26C9G15M7F8W116E26V8R5X9 LEFT UPPER WING

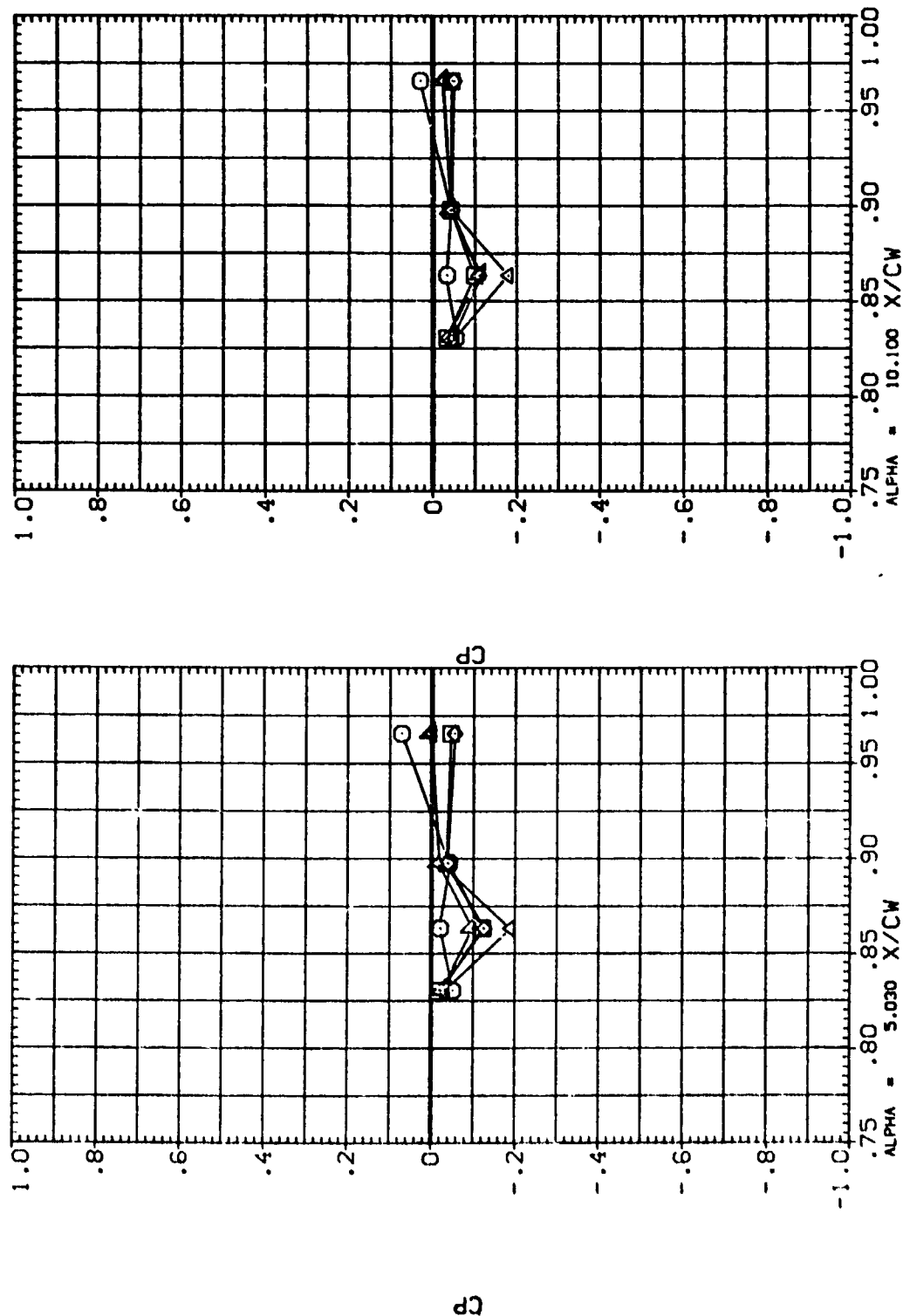


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

SE-A = -.010 Y/BW = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

	BETA	RUDDER	ELEVON
(PCQJ24)	.000	.000	.000
(RDZJ16)	.000	-7.500	.000
(RDZJ13)	.000	-15.000	.000
(RDZJ16)	.000	-7.500	.000
(RDZJ13)	.000	-15.000	.000

B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 B26C9G15H7F8W116E26V8R5X9 LEFT UPPER WING
 B26C9G15H7F8W116E26V8R5X9 RIGHT UPPER WING
 B26C9G15H7F8W116E26V8R5X9 RIGHT UPPER WING

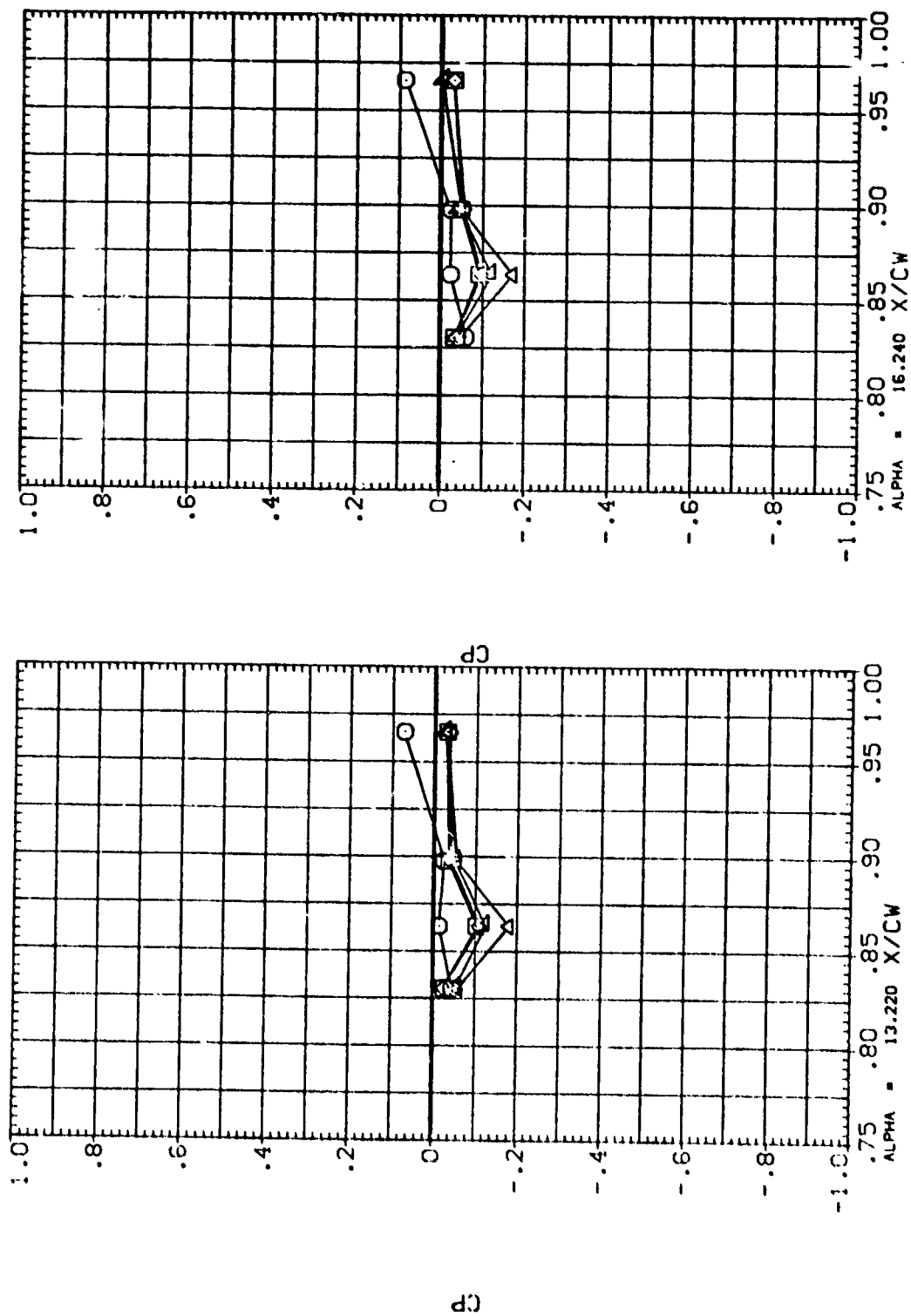


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 V/BW = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(R0CJ04)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ05)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ06)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ07)	B26C9G15H7F8W116E26V8R5X9	LEFT UPPER WING
(R0CJ08)	B26C9G15H7F8W116E26V8R5X9	RIGHT UPPER WING
(R0CJ09)	B26C9G15H7F8W116E26V8R5X9	RIGHT UPPER WING

BETA RUDDER ELEVON

.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

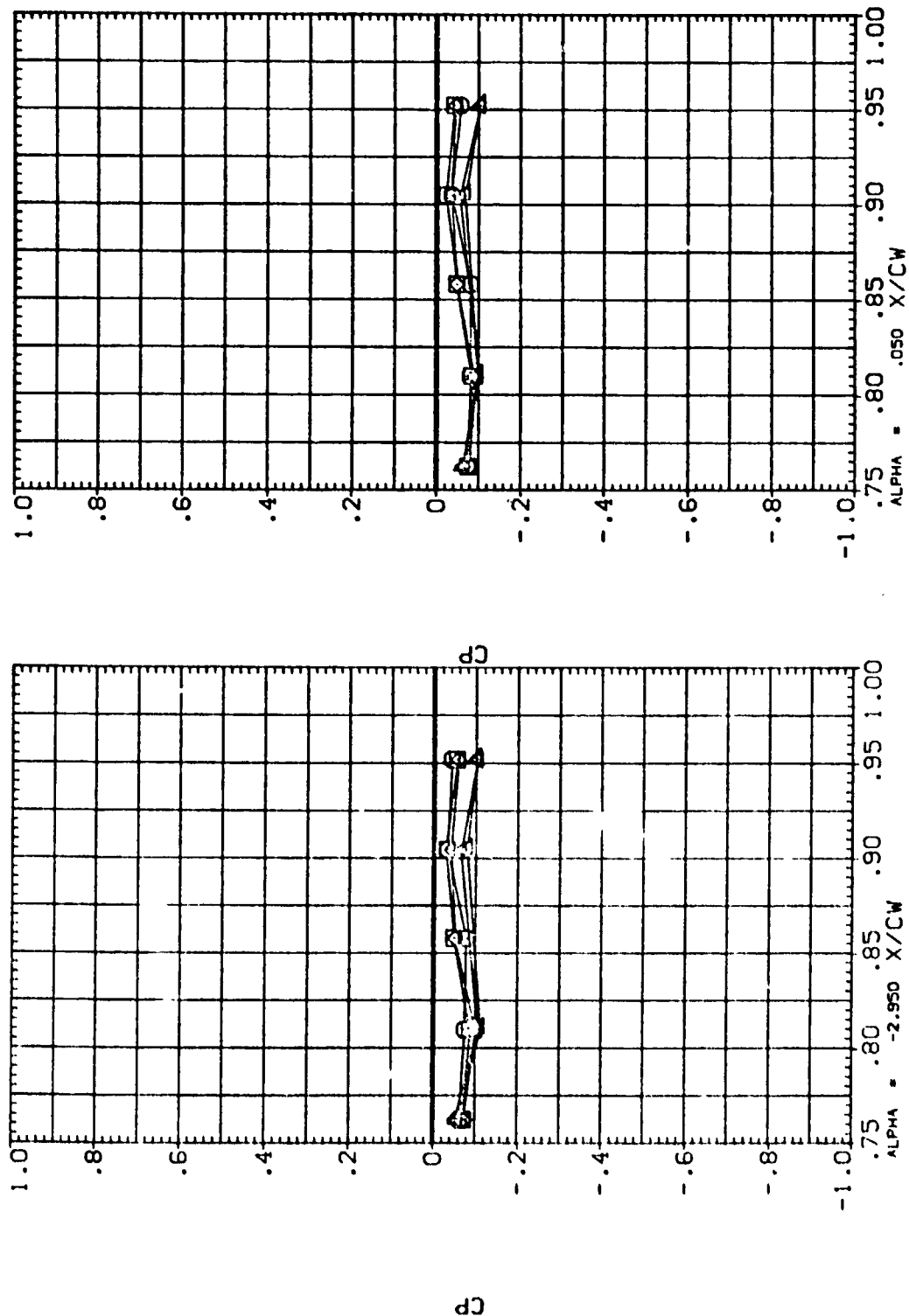


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Y/BW = .405

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 LEFT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 RIGHT UPPER WING
 B26C9G15M7F8W116E26V8PSX9 RIGHT UPPER WING

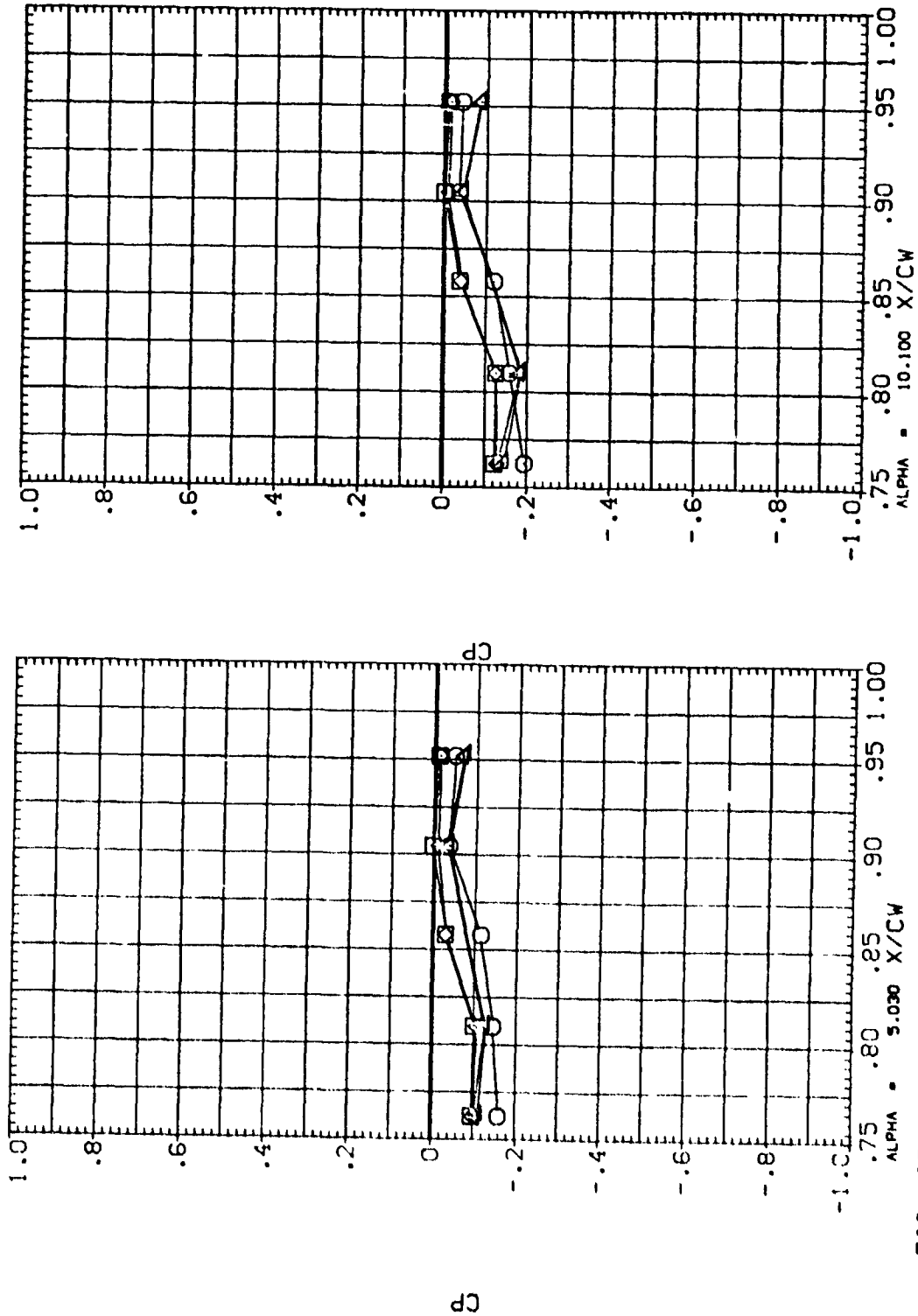


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Y/BW = .405

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(RDCU04)	B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING	.000	.000	.000
(RDCU16)	B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING	.000	-7.500	.000
(RDCU13)	B26C9G1SH7F8W11SE26V8R5X9 LEFT UPPER WING	.000	-15.000	.000
(RDCU16)	B26C9G1SH7F8W11SE26V8R5X9 RIGHT UPPER WING	.000	-7.500	.000
(RDCU13)	B26C9G1SH7F8W11SE26V8R5X9 RIGHT UPPER WING	.000	-15.000	.000

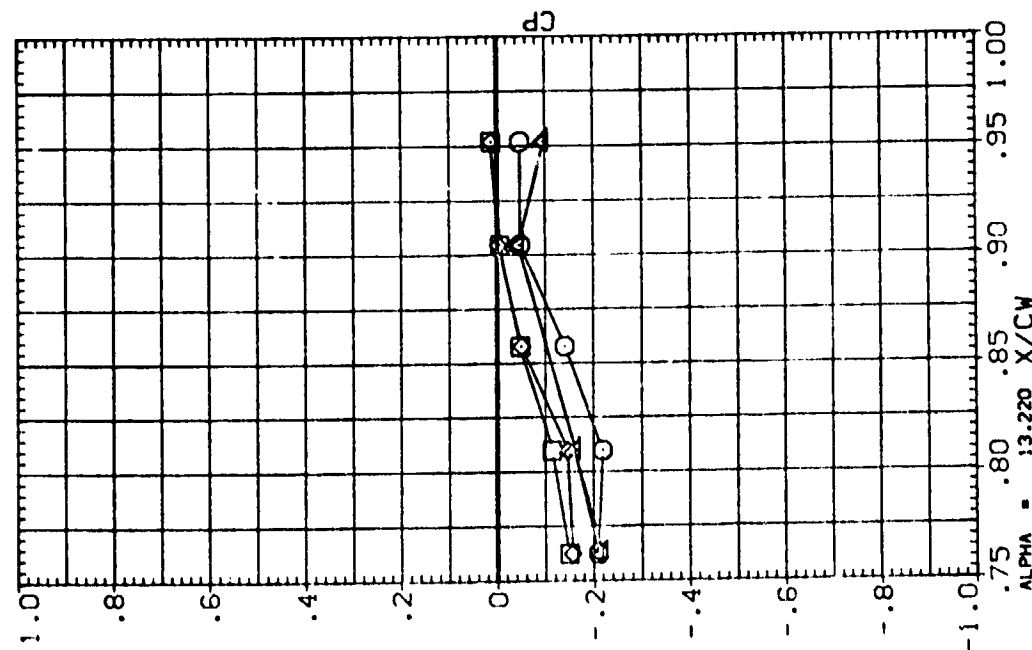
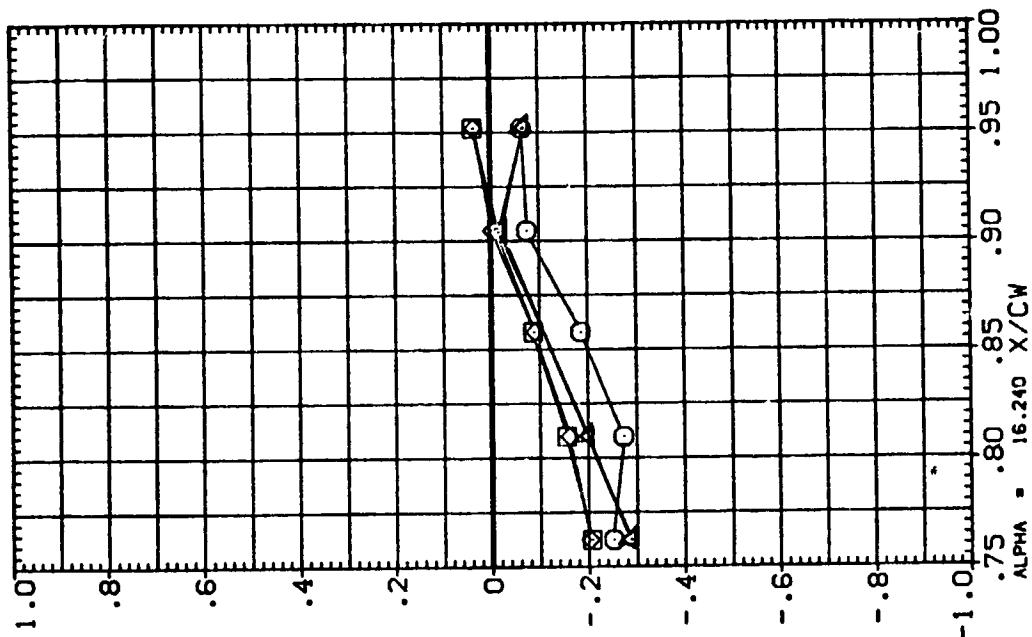


FIG. 35 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R0CJ05)	B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R0CJ17)	B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING	10.000	-7.500	.000
(R0CJ14)	B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING	10.000	-15.000	.000
(R0CJ03)	B26C9G1SM7F8W116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R0CJ17)	B26C9G1SM7F8W116E26V8R5X9 RIGHT UPPER WING	10.000	-7.500	.000
(R0CJ14)	B26C9G1SM7F8W116E26V8R5X9 RIGHT UPPER WING	10.000	-15.000	.000

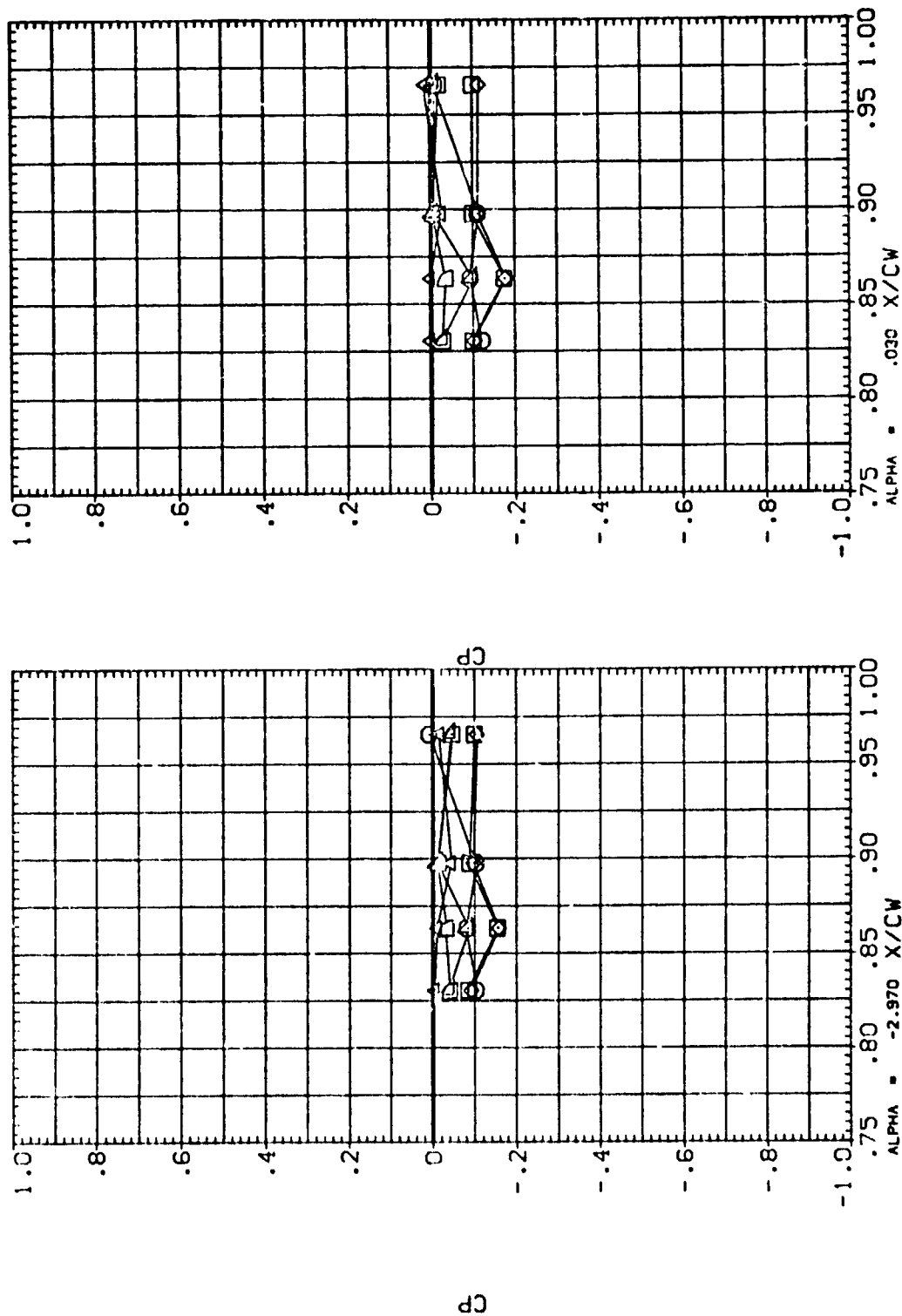


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Y/BW = .299

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00U05)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00U17)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-7.500	.000
(R00U14)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-15.000	.000
(R00U03)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	-10.000	.000	.000
(R00M17)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-7.500	.000
(R00M14)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-15.000	.000

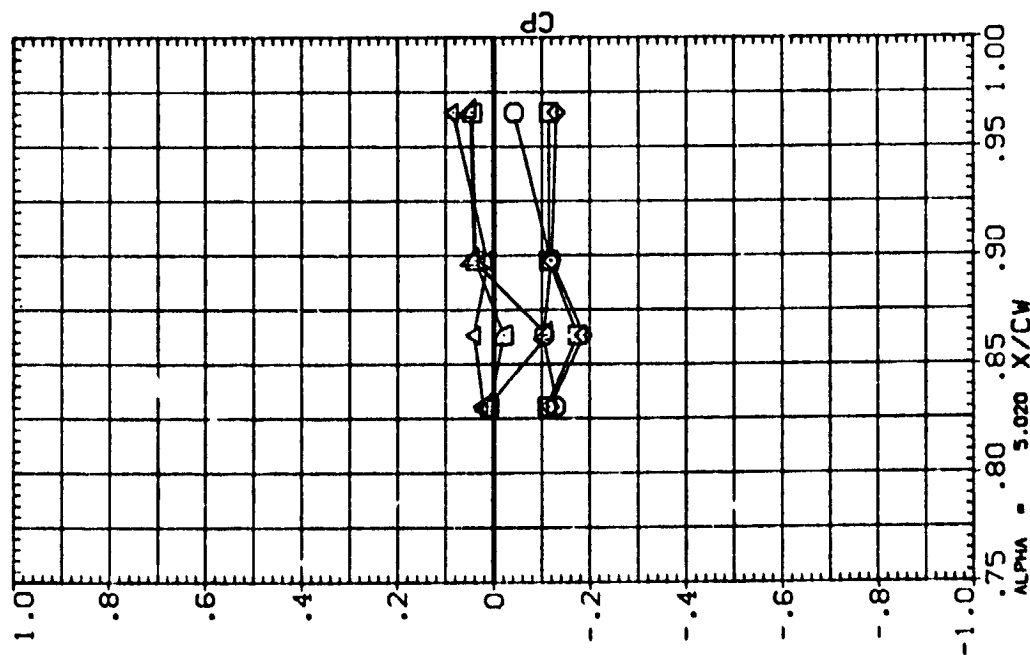
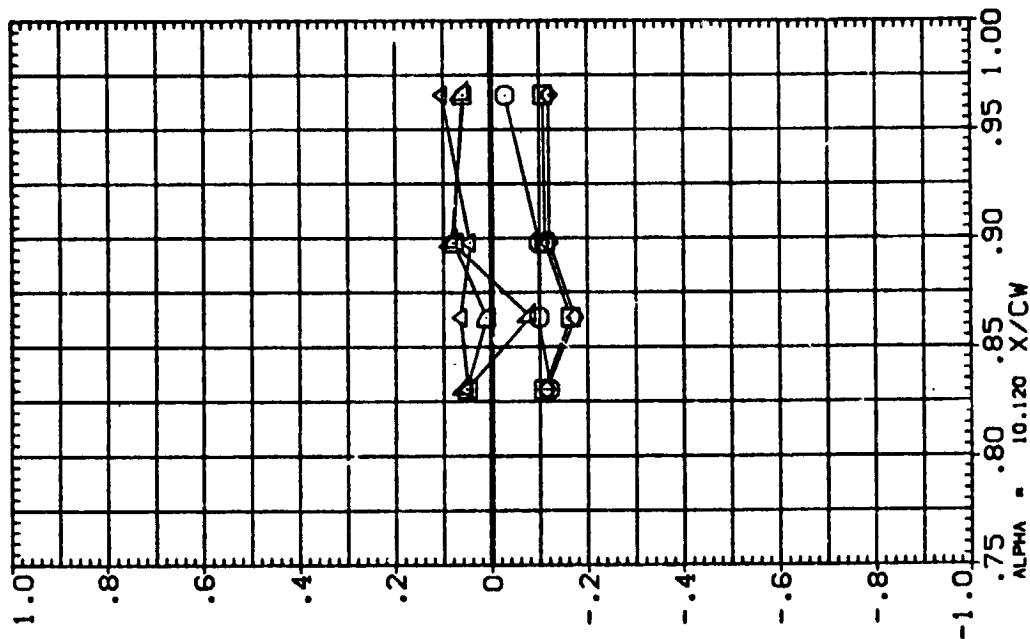


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 10

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R00U05)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00U17)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-7.500	.000
(R00U14)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	-5.000	.000
(R00U03)	B26C9G15H7F8V116E26V8R5X9 LEFT UPPER WING	10.000	.000	.000
(R00U17)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-7.500	.000
(R00U14)	B26C9G15H7F8V116E26V8R5X9 RIGHT UPPER WING	10.000	-15.000	.000

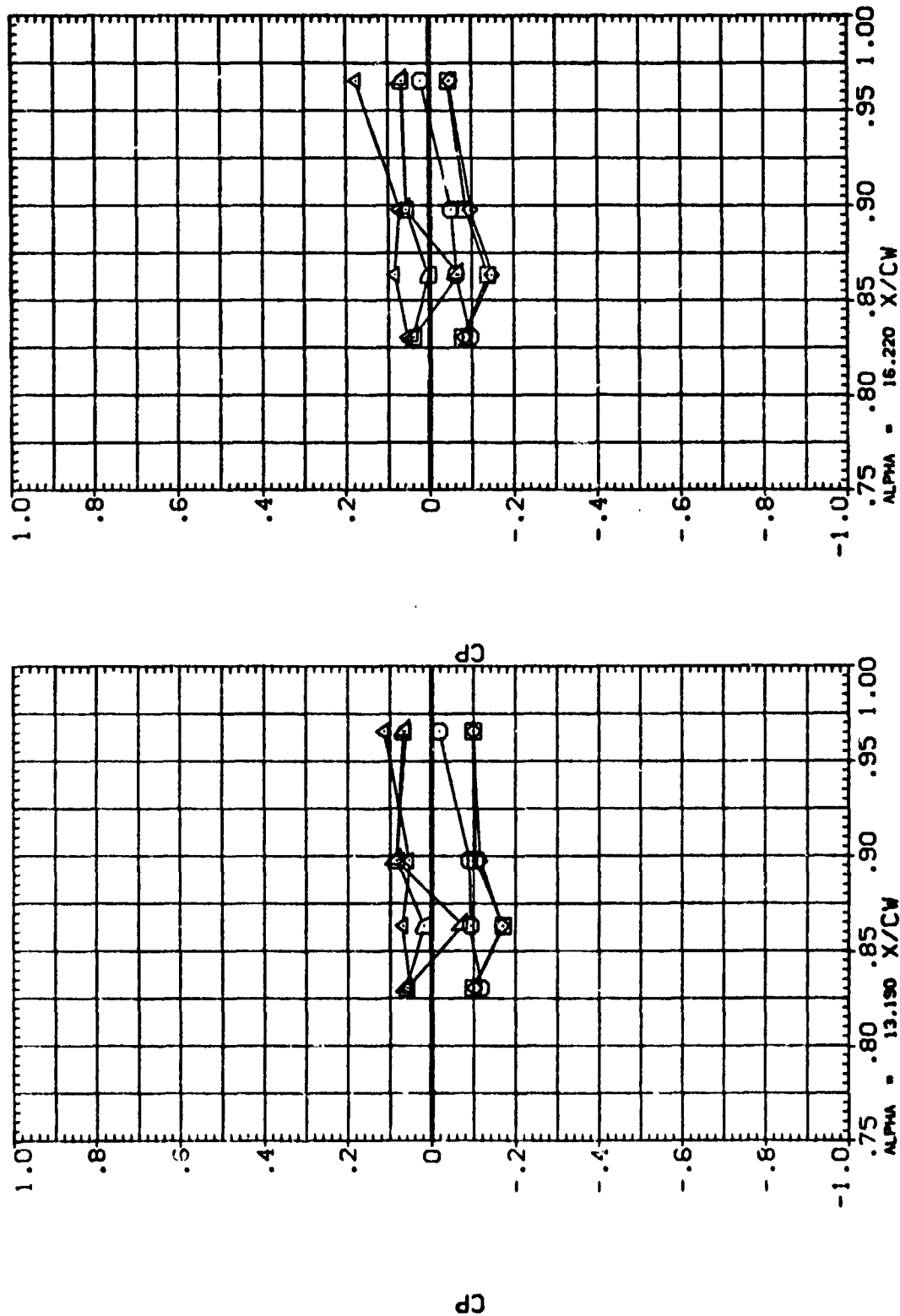
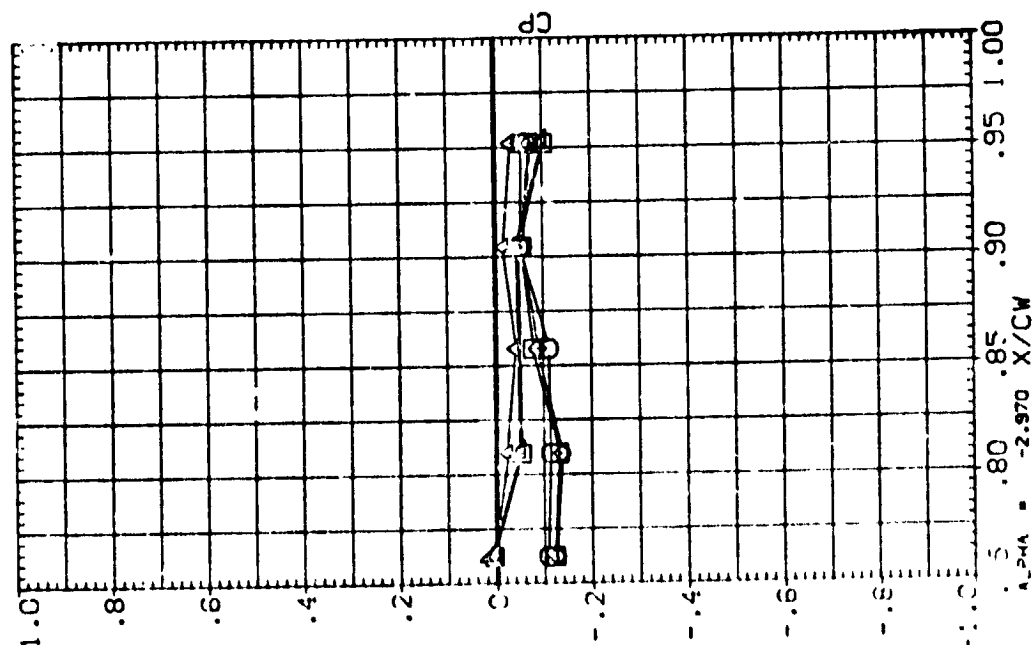
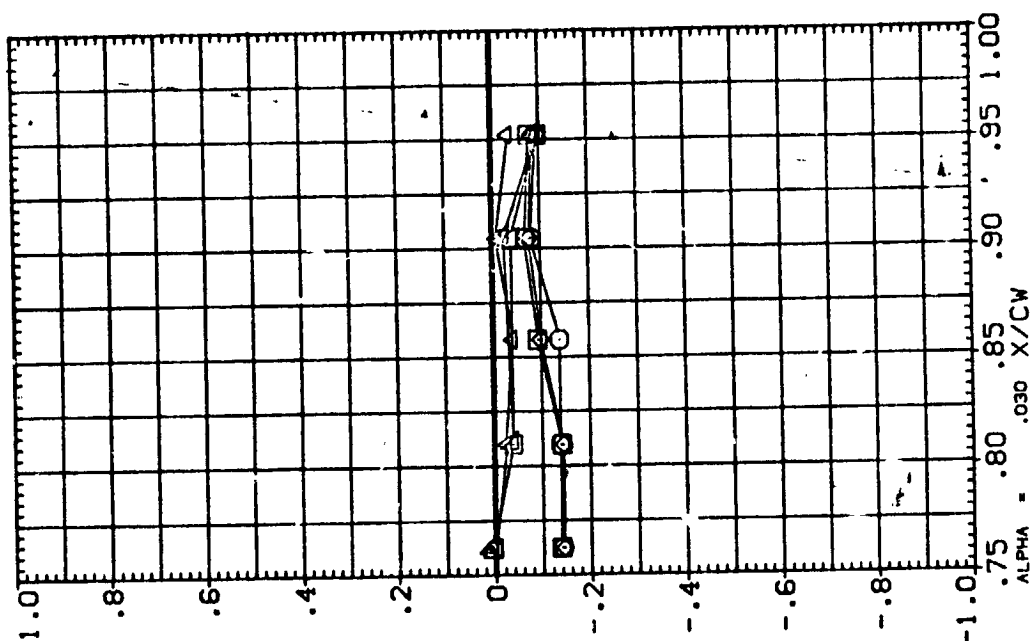


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Y/BW = .299

DATA SET SYMBOL	CONFIGURATION	DESCRIPTION
B26C3G1	S17F8U1	162Z6V8R5X9 LEFT UPPER WING
B26C3G2	S17F8U2	162Z6V8R5X9 LEFT UPPER WING
B26C3G3	S17F8U3	162Z6V8R5X9 LEFT UPPER WING
B26C3G4	S17F8U4	162Z6V8R5X9 LEFT UPPER WING
B26C3G5	S17F8U5	162Z6V8R5X9 LEFT UPPER WING
B26C3G6	S17F8U6	162Z6V8R5X9 LEFT UPPER WING
B26C3G7	S17F8U7	162Z6V8R5X9 LEFT UPPER WING
B26C3G8	S17F8U8	162Z6V8R5X9 LEFT UPPER WING
B26C3G9	S17F8U9	162Z6V8R5X9 LEFT UPPER WING
B26C3G0	S17F8U0	162Z6V8R5X9 LEFT UPPER WING



33 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = 10$

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$$SE^2 = 0.050 \quad v/BW = .405$$

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

WING

WING	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING
B26C9015M7F8M116E26V8PSX9	LEFT UPPER WING	RIGHT UPPER WING

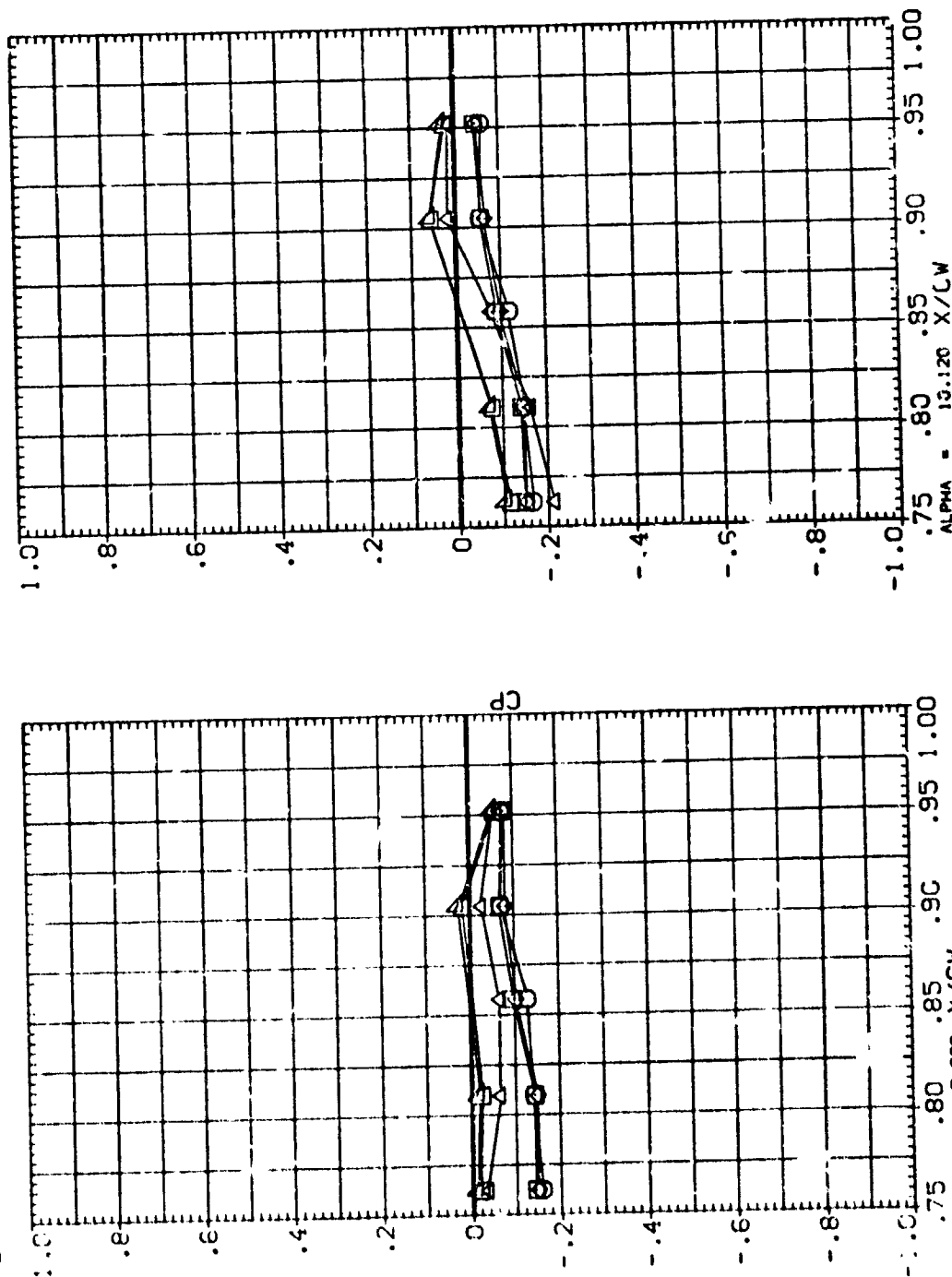


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

DATA SET SYMBOL
(R00U05)
(R00U17)
(R00U14)
(R00U03)
(R00U17)
(R00U14)

CONFIGURATION DESCRIPTION
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 LEFT UPPER WING
B26C9615H7F8W116E23V8R5X9 RIGHT UPPER WING
B26C9615H7F8W116E23V8R5X9 RIGHT UPPER WING

BETA
10.000
10.000
10.000
10.000
10.000
10.000

RUDDER
.000
-7.500
-15.000
.000
-7.500
-15.000

ELEVON
.000
.000
.000
.000
.000
.000

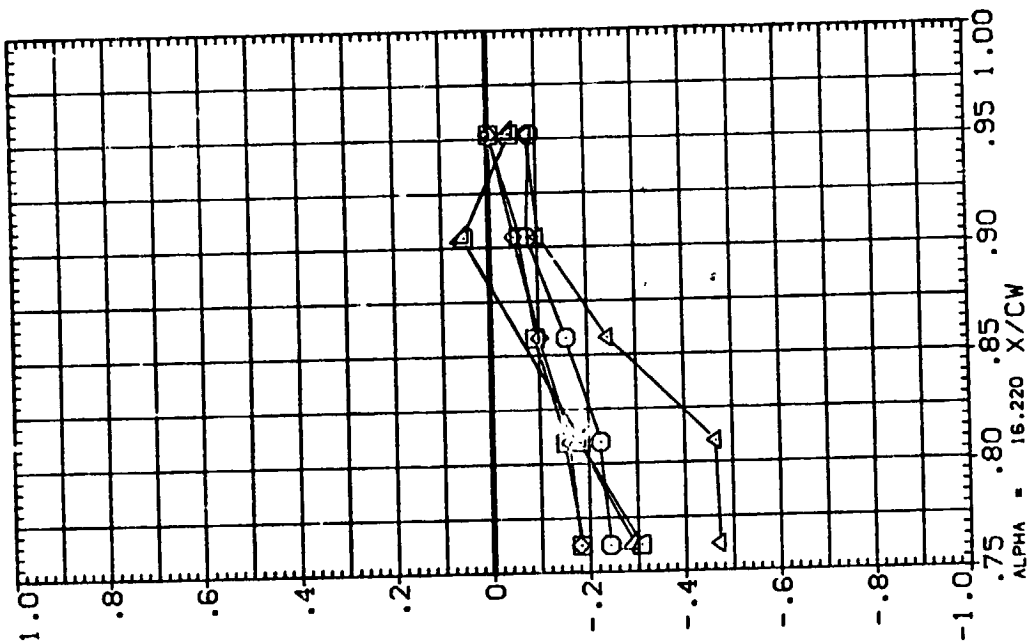
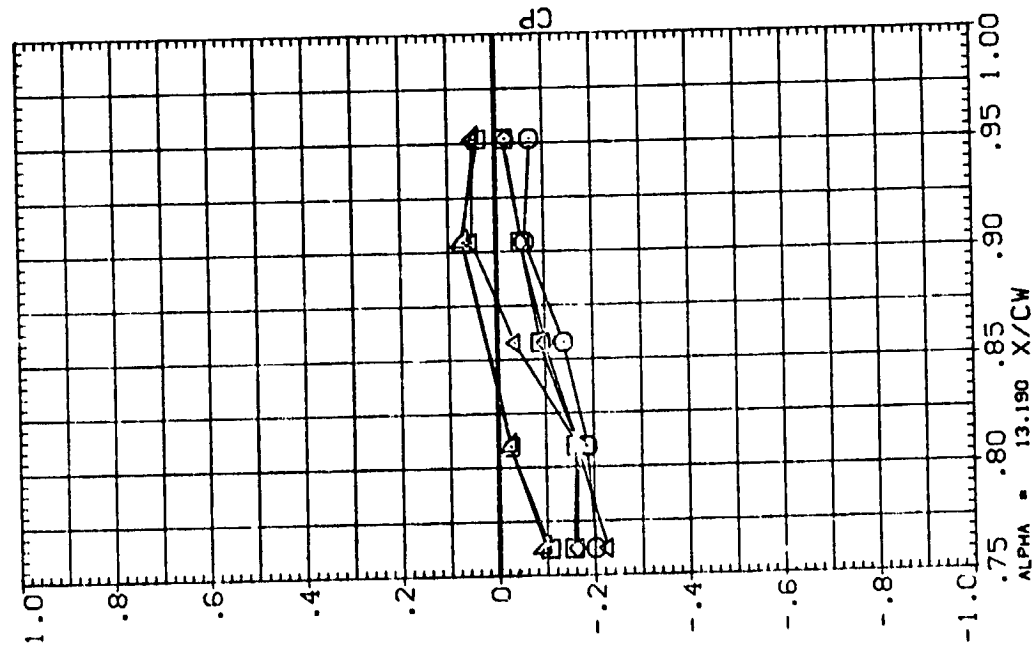


FIG. 36 WING CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
BETA = 10.050 Y/BW = .405
ALPHA = 13.190 X/CW
ALPHA = 16.220 X/CW

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(R2C003)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	.000	.000
(R2C015)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	-7.500	.000
(R2C012)	B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL	-10.000	-15.000	.000
(R2C005)	B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL	10.000	.000	.000
(R2C015)	B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL	10.000	-7.500	.000
(R2C012)	B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL	10.000	-15.000	.000

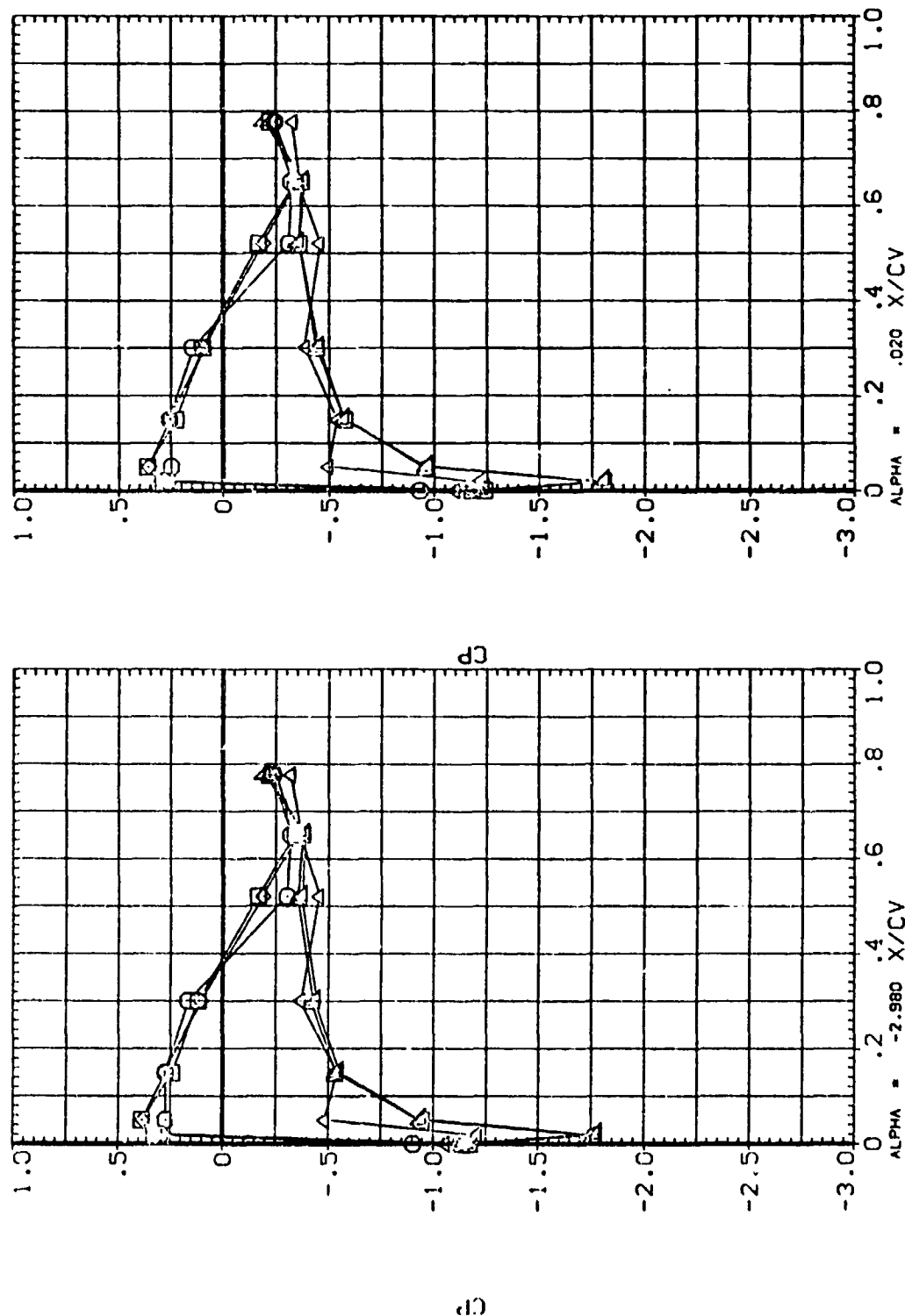


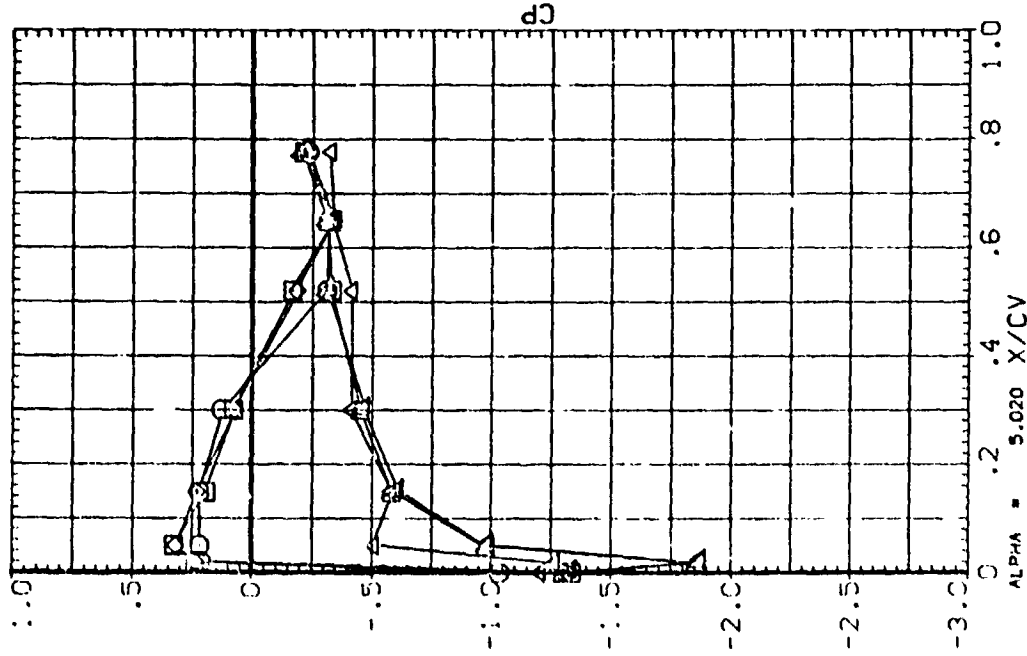
FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .158
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DATA SET SYMBOL

CONFIGURATION DESCRIPTION

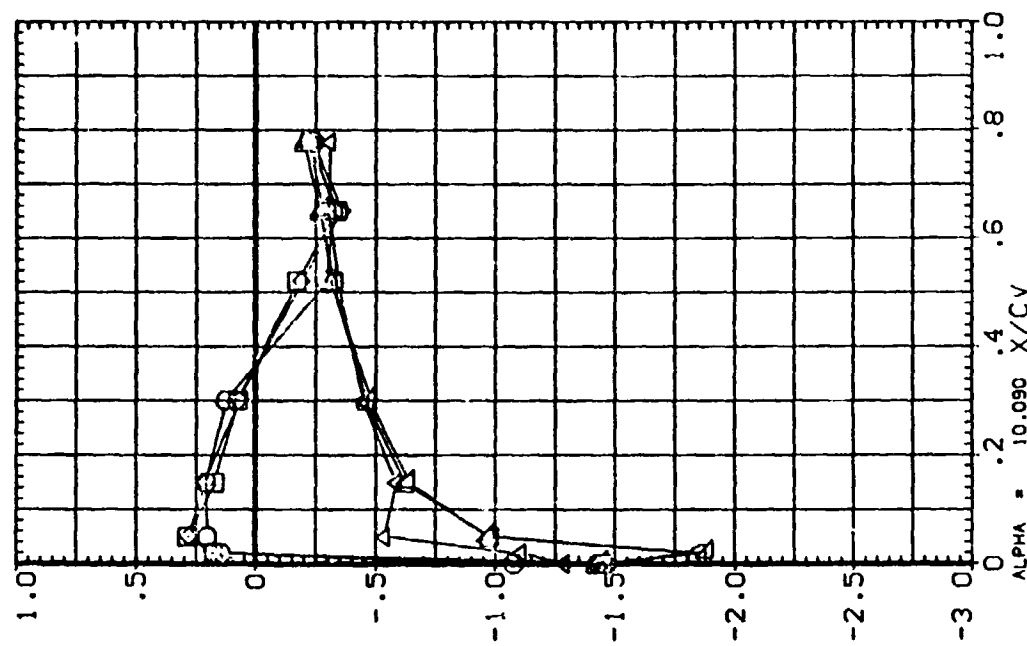
B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 LEFT VERTICAL
 B2609315W78W116E26V825X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000



ALPHA = 5.020 X/CV

FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.000 Z/BV = .158



ALPHA = 10.090 X/CV

BETA	RUGER	ELEV.
-10.000	000	000
-10.000	000	000
-10.000	-7.500	000
-10.000	-1.500	000
-10.000	000	000
-10.000	-7.500	000
-10.000	-1.500	000

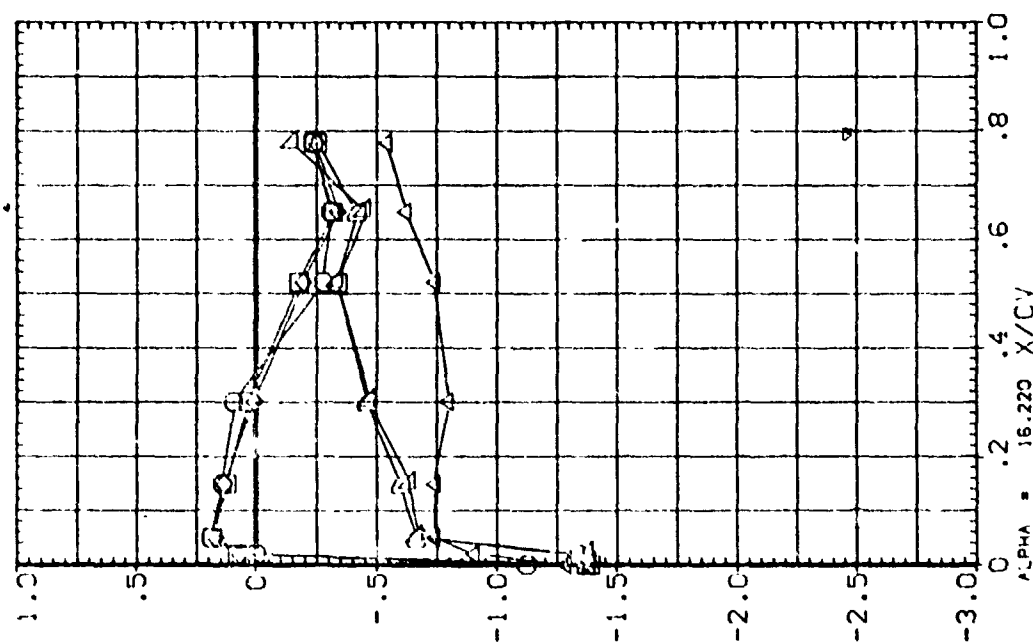
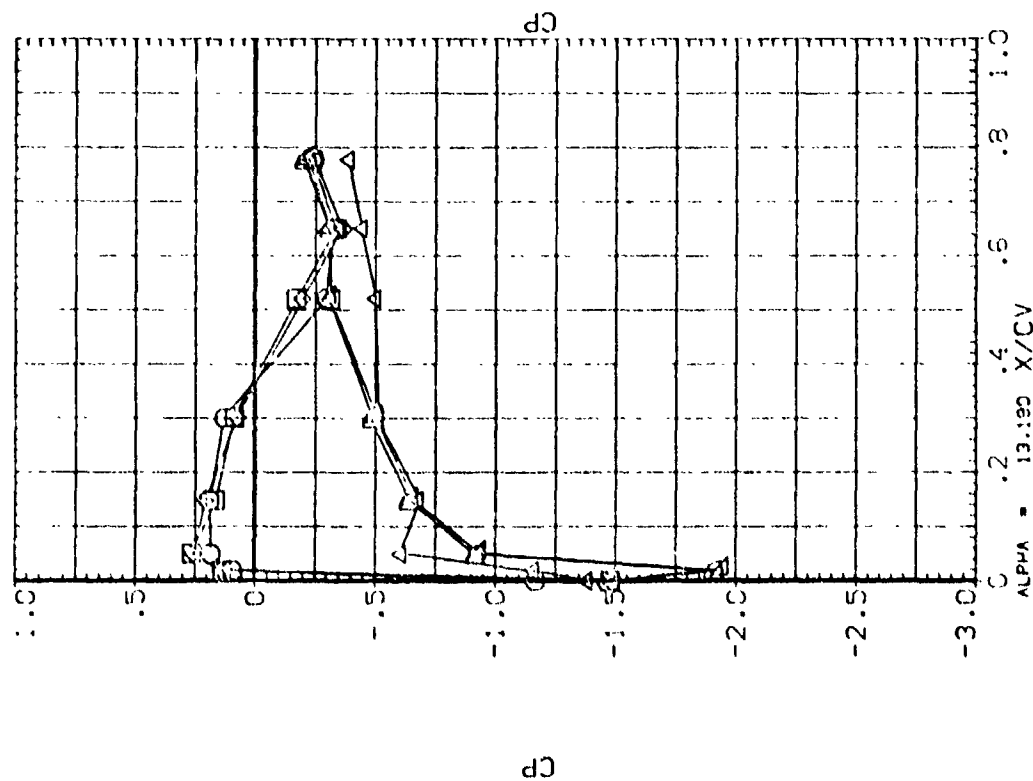


FIG. 37 VERT. TAIL CROWDISE PRESSURE DISTRIBUTION, PUDDER EFFECT, $BETA = -10$

$BETA = -10.000$ $Z/B = .158$ $P/SE = 375$

BETA RUDDER ELEVON
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000
 -10.000 .000
 -10.000 -7.500
 -10.000 -15.000

CONFIGURATION DESCRIPTION
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 LEFT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL
 B26C9G15M7F8W116E26V8R5X9 RIGHT VERTICAL

SET SYMBOL
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9
 B26C9G15M7F8W116E26V8R5X9

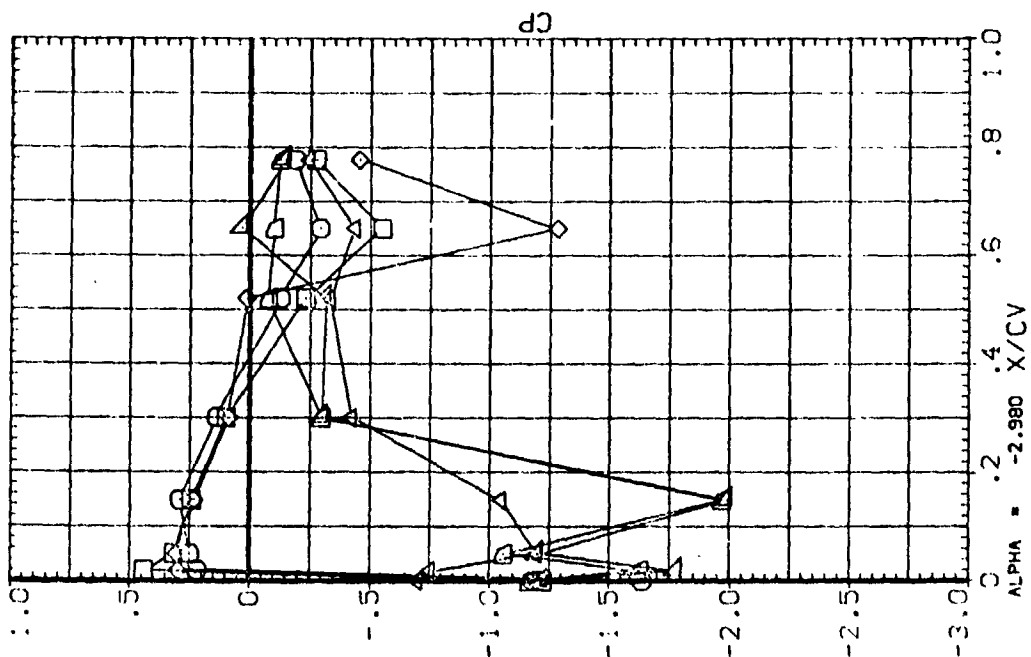
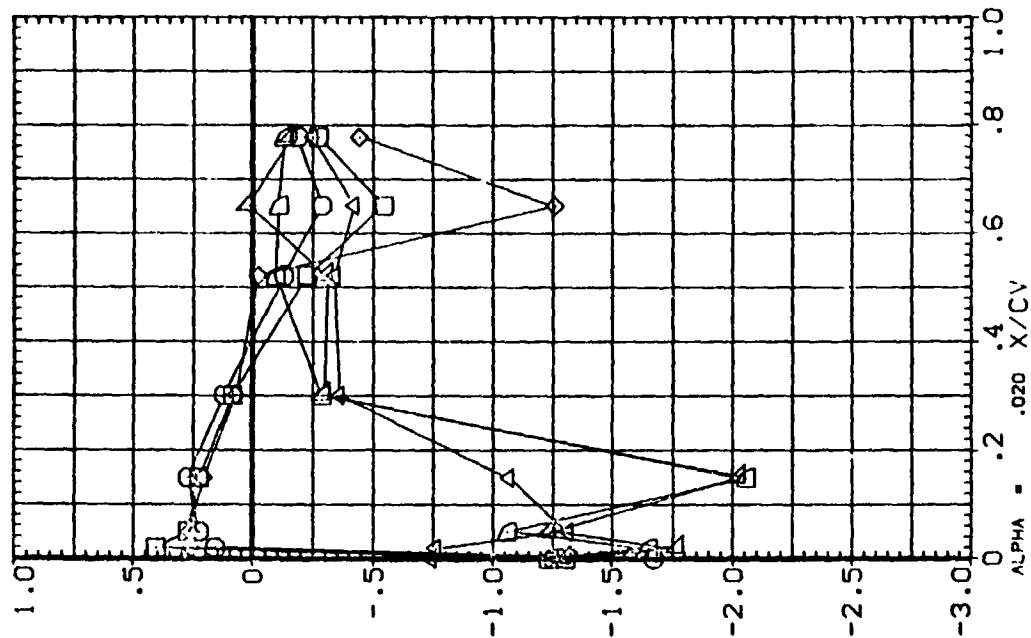


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 ALPHA = -10.060 Z/BV = .316

VIA

CAUTION

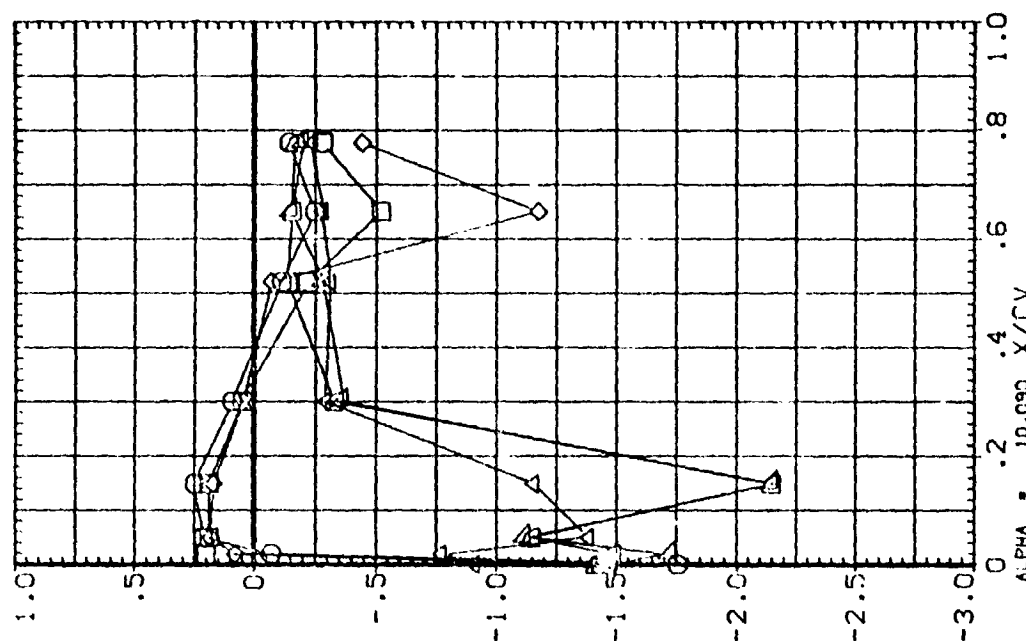
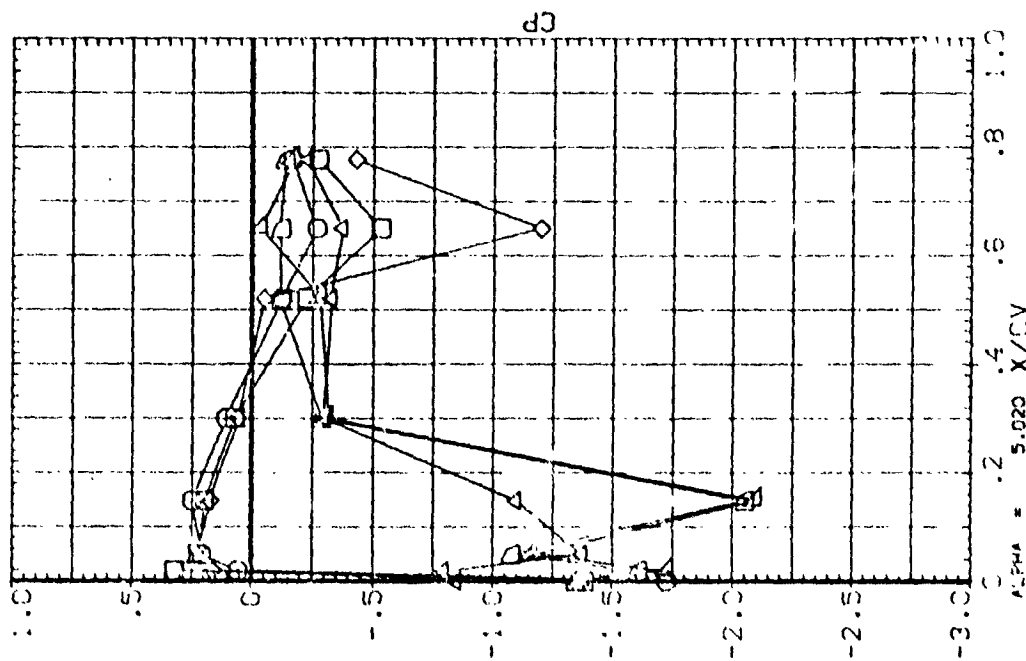


FIG. 37 VERT. TAIL CIRCUMWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$

$\beta = -10.080$ $Z/B = .316$

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS POOR

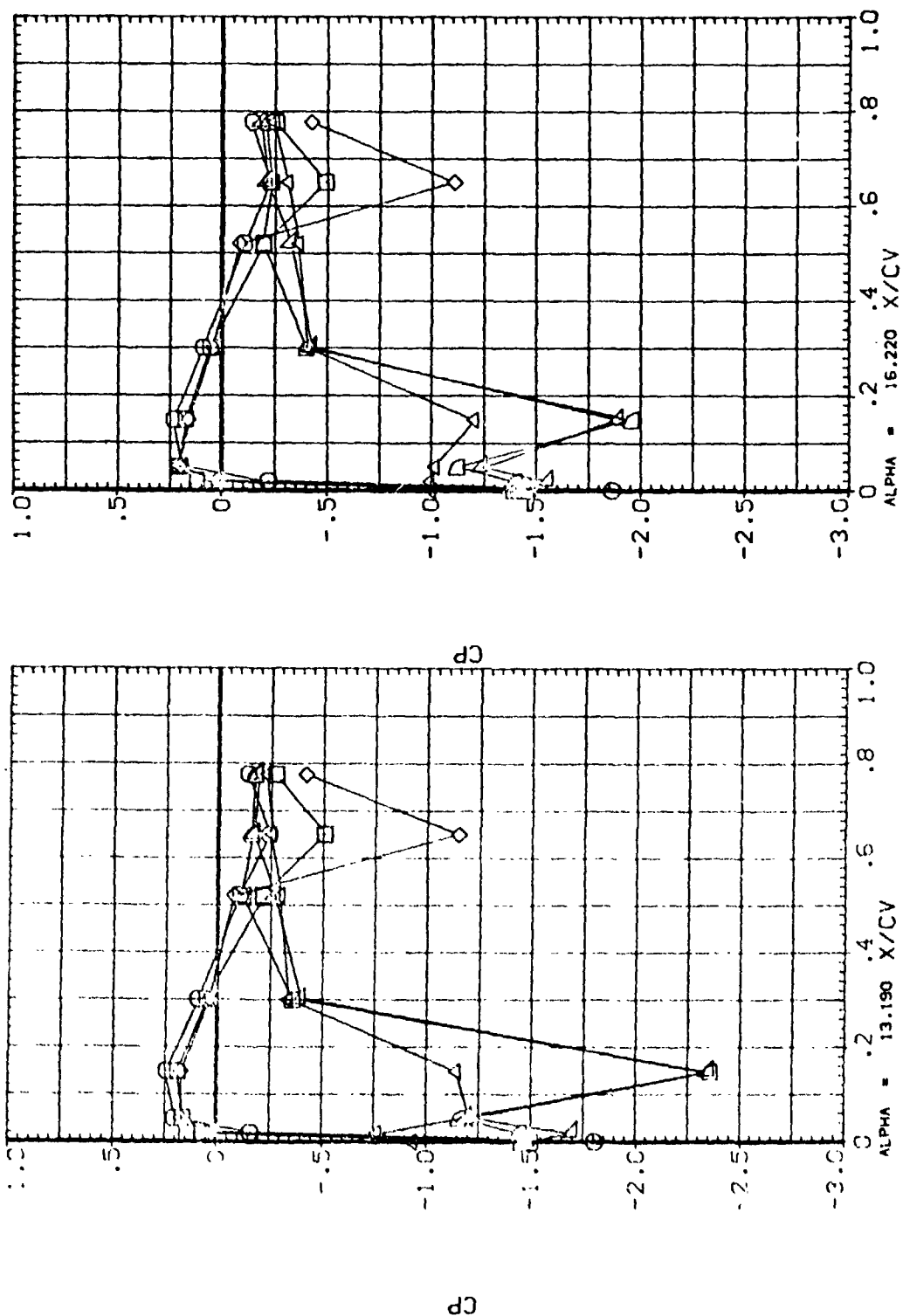
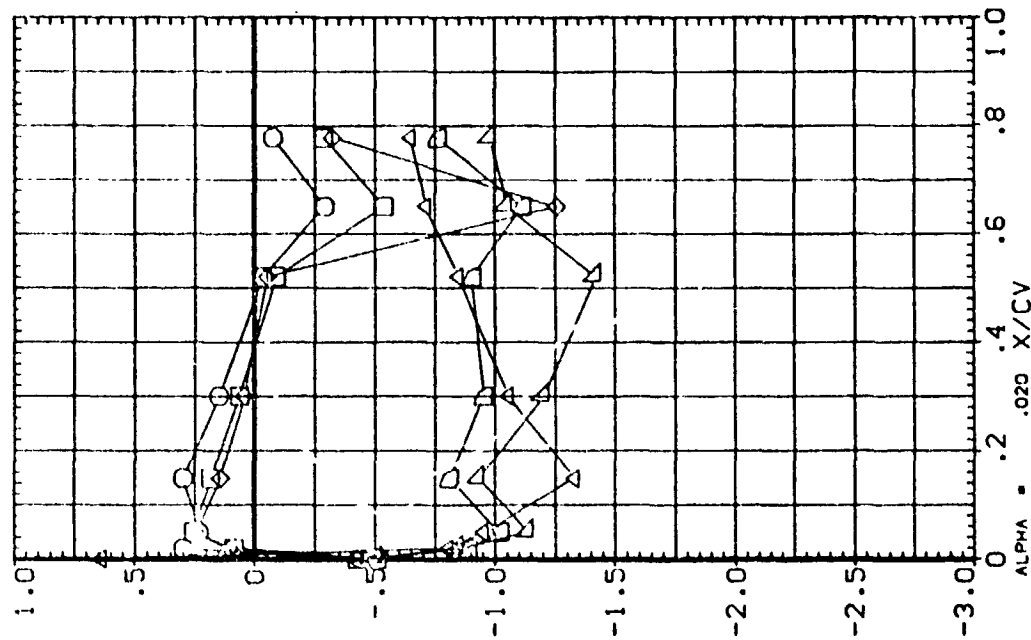
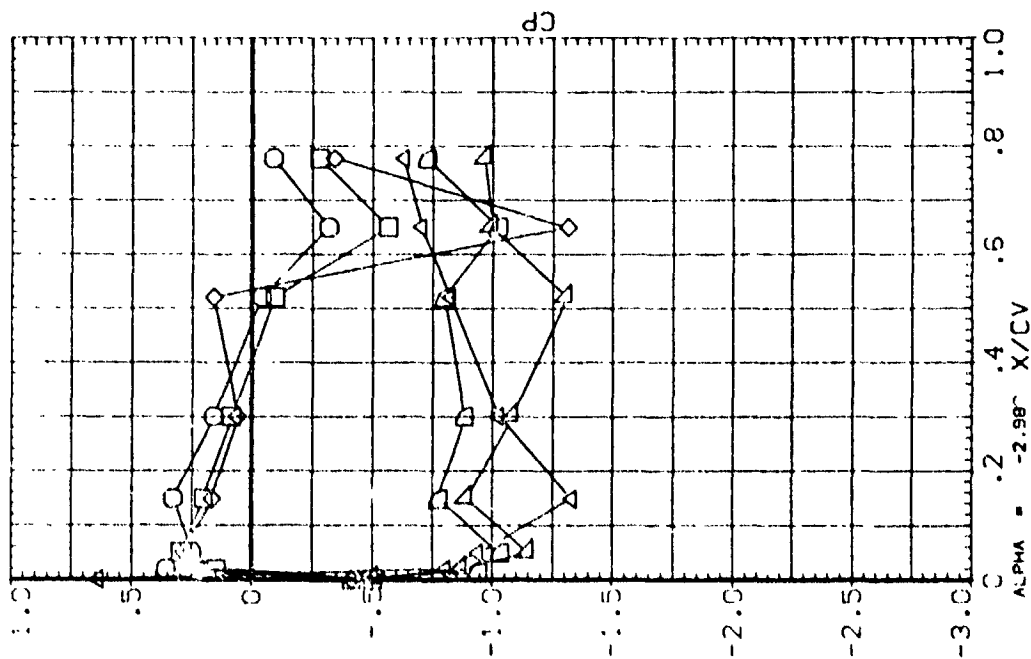
[illegible]

FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\text{BETA} = -10$
 $\text{BETA} = -10.050 \quad Z/BV = .316$ PAGE 378

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

FIG. 37. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = -10$

009 = AB/Z 090.01 = 1.33

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

000001	BRSC001	5M7F8	1828	885X9	LEFT VERTICAL
000002	BRSC002	5M7F8	1828	885X9	LEFT VERTICAL
000003	BRSC003	5M7F8	1828	885X9	LEFT VERTICAL
000004	BRSC004	5M7F8	1828	885X9	LEFT VERTICAL
000005	BRSC005	5M7F8	1828	885X9	LEFT VERTICAL
000006	BRSC006	5M7F8	1828	885X9	RIGHT VERTICAL
000007	BRSC007	5M7F8	1828	885X9	RIGHT VERTICAL
000008	BRSC008	5M7F8	1828	885X9	RIGHT VERTICAL
000009	BRSC009	5M7F8	1828	885X9	RIGHT VERTICAL
000010	BRSC010	5M7F8	1828	885X9	RIGHT VERTICAL

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	-15.000	.000
-10.000	-7.500	.000
-10.000	.000	.000

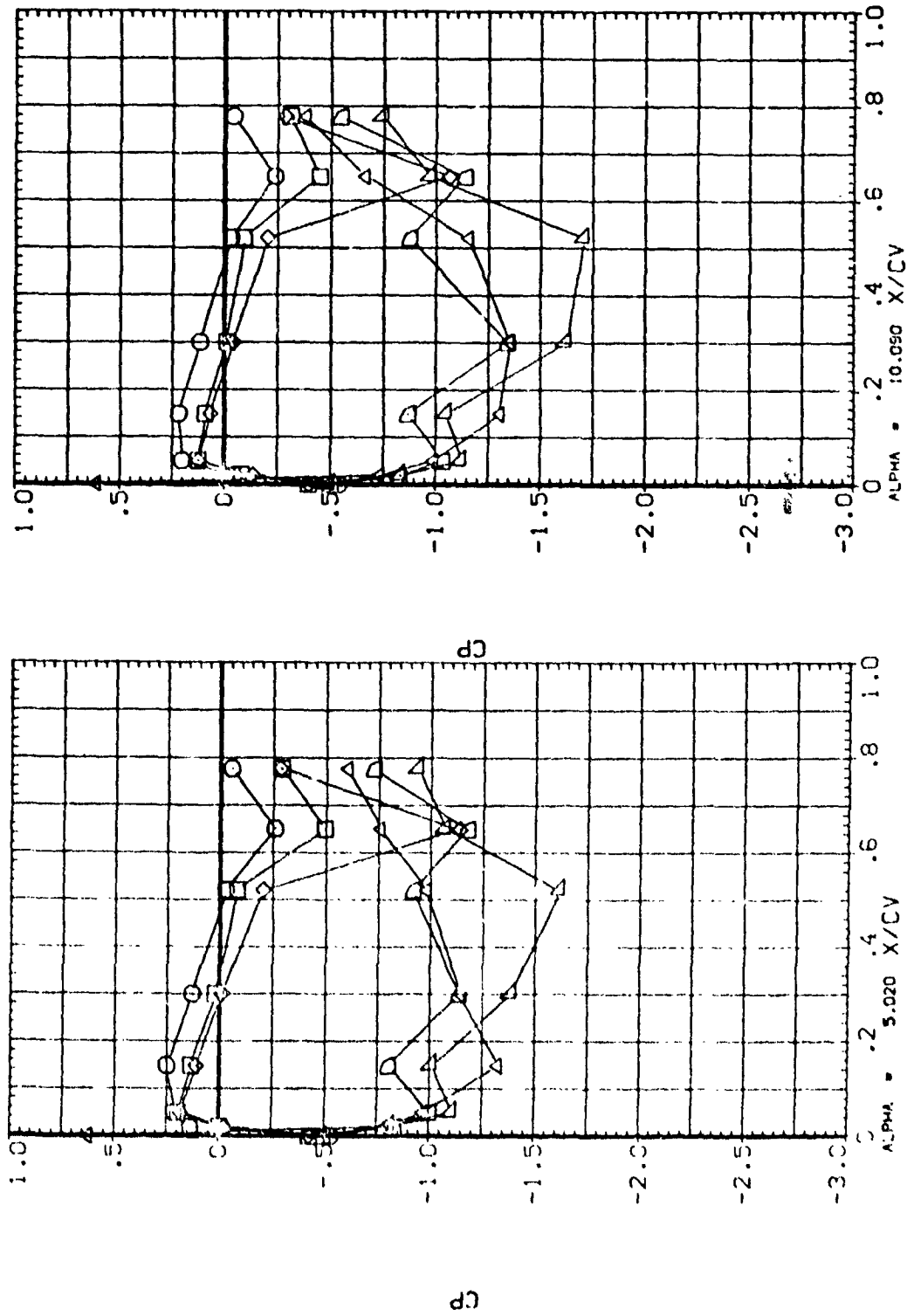


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION. RUDDER EFFECT, BETA = -10
 BETA = -10.000 Z/B = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
B26C931547F8118E26VCRS19	LEFT VERTICAL	-10.000	.000	.000
B26C931547F8118E26VCRS19	LEFT VERTICAL	-10.000	-7.500	.000
B26C931547F8118E26VCRS19	LEFT VERTICAL	-10.000	-15.000	.000
B26C931547F8118E26VCRS19	LEFT VERTICAL	-10.000	.000	.000
B26C931547F8118E26VCRS19	RIGHT VERTICAL	-10.000	-7.500	.000
B26C931547F8118E26VCRS19	RIGHT VERTICAL	-10.000	-15.000	.000

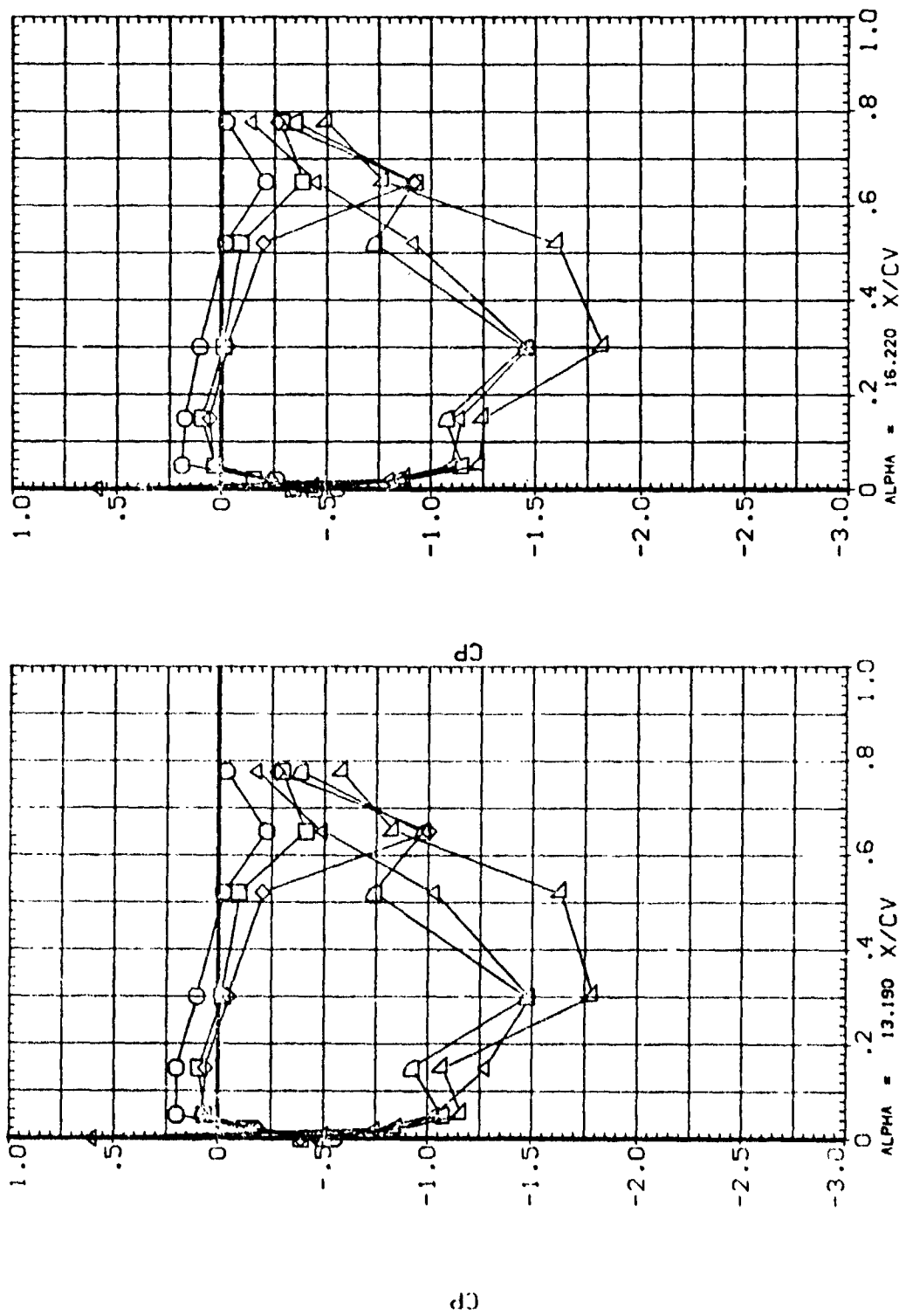


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(022V03)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	.000	.000
(022V15)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-7.500	.000
(022V12)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-15.000	.000
(022V05)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	.000	.000
(022V15)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-7.500	.000
(022V12)	B26C931547F84116E26V8RSX9 LEFT VERTICAL	-10.000	-15.000	.000

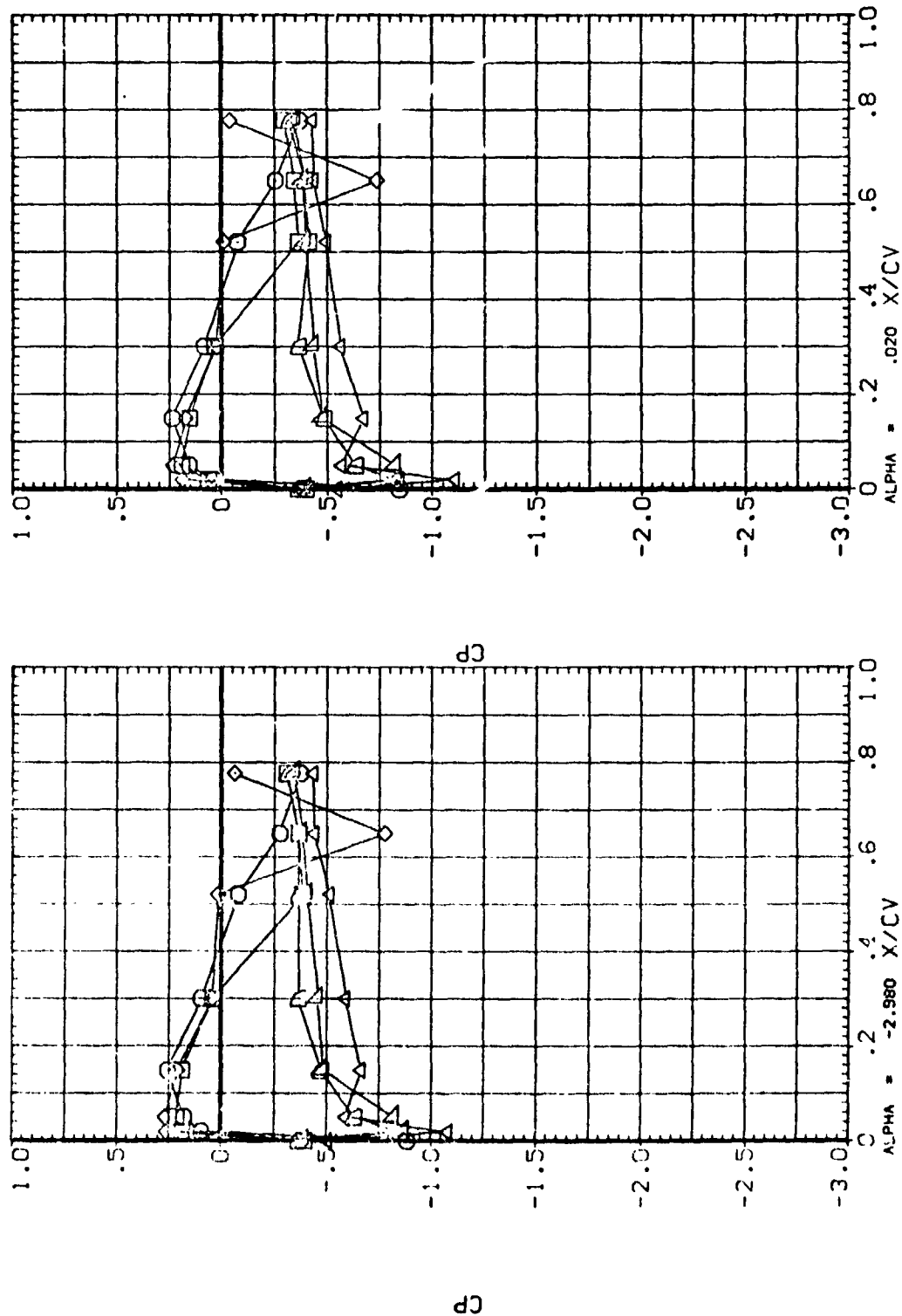


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION

BETA	RUDDER	ELEVON
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

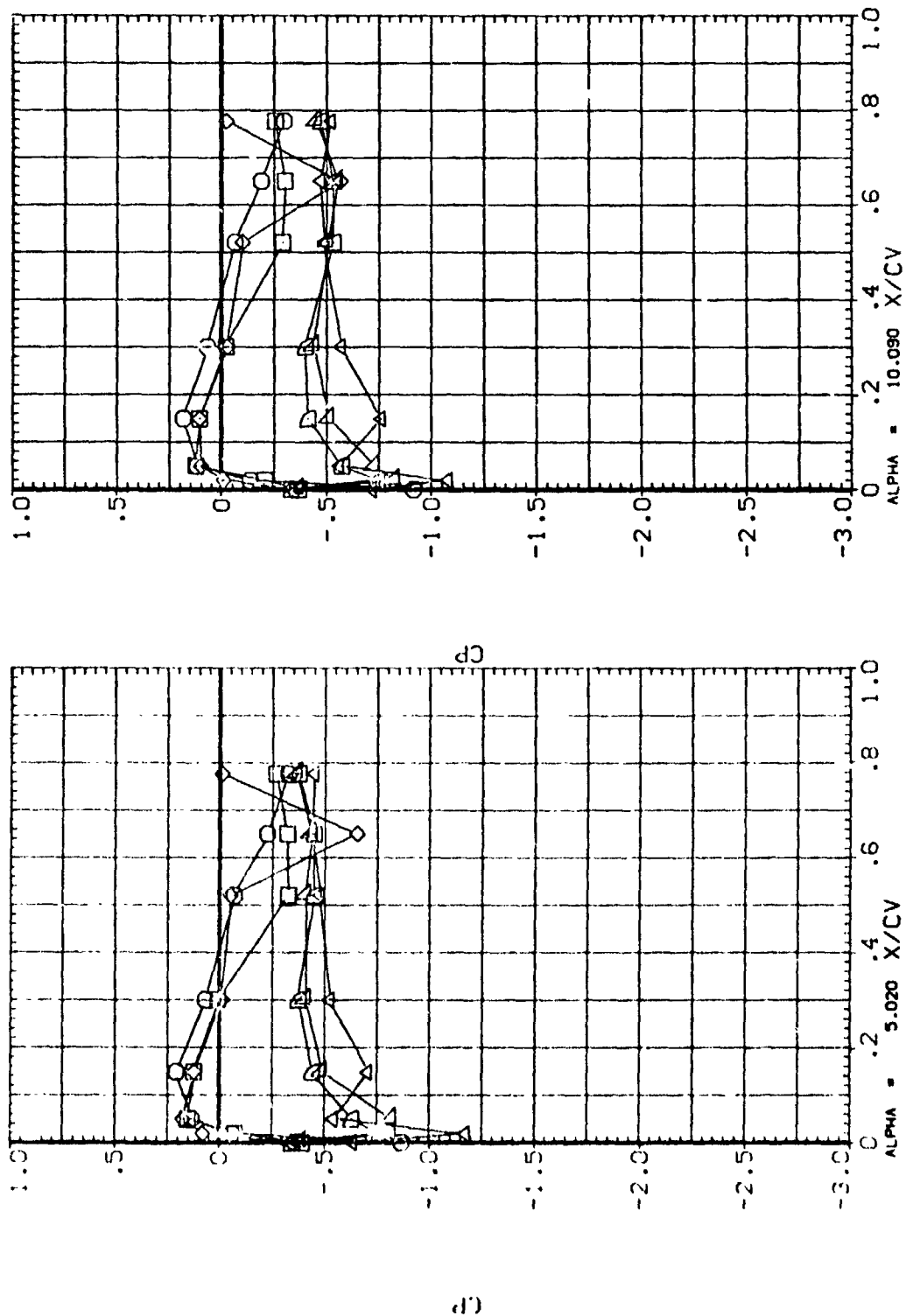


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 $\alpha = -10.060$ $Z/BV = .940$ PAGE 383

DATA SET SYMBOL CONFIGURATION DESCRIPTION

(RCGV03)	B26C9G15M7F8W116E26V8RSX9	LEFT VERTICAL
(RCGV15)	B26C9G15M7F8W116E26V8RSX9	LEFT VERTICAL
(RCGV12)	B26C9G15M7F8W116E26V8RSX9	LEFT VERTICAL
(RCGV05)	B26C9G15M7F8W116E26V8RSX9	LEFT VERTICAL
(RCGV15)	B26C9G15M7F8W116E26V8RSX9	RIGHT VERTICAL
(RCGV12)	B26C9G15M7F8W116E26V8RSX9	RIGHT VERTICAL

BETA RUDDER ELEVON

-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000
-10.000	.000	.000
-10.000	-7.500	.000
-10.000	-15.000	.000

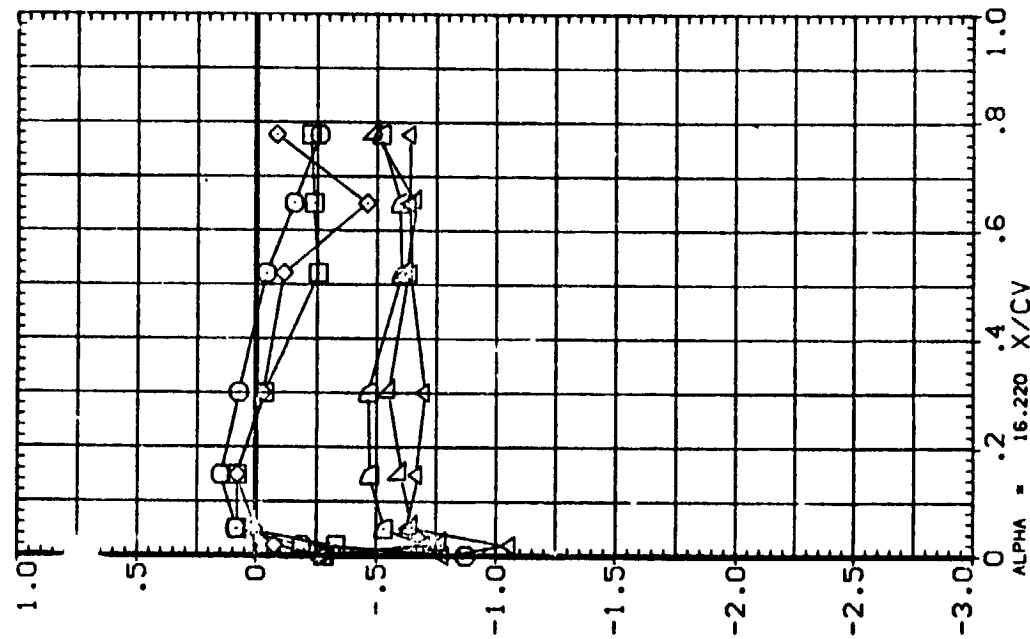
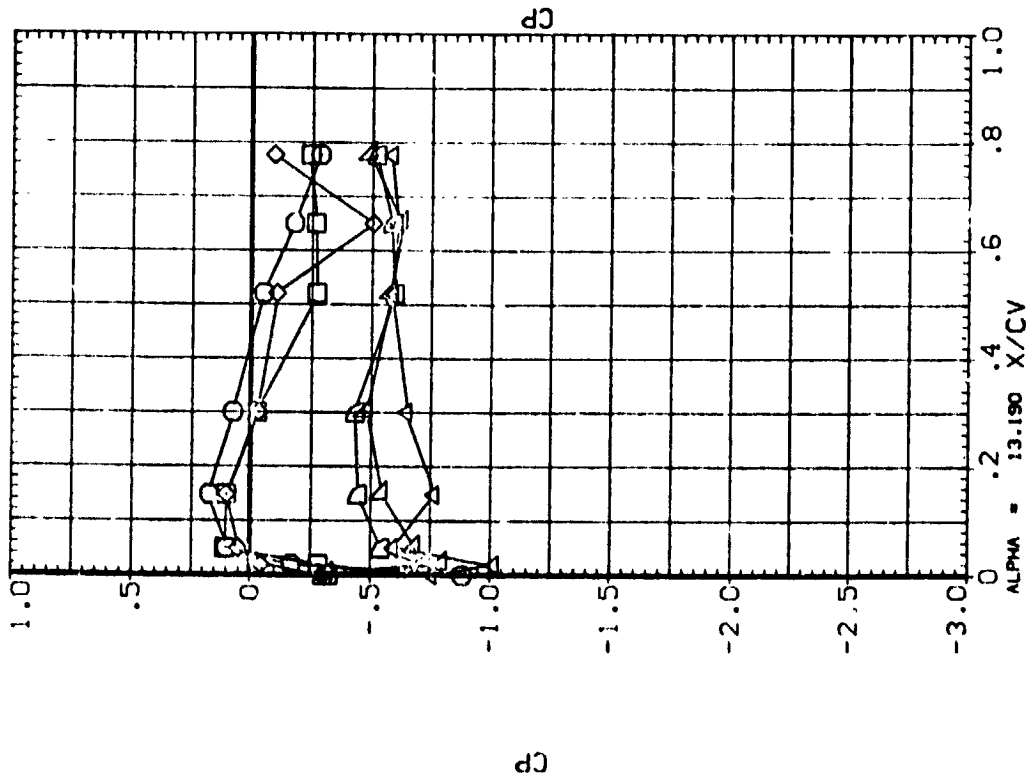


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10
 BETA = -10.060 Z/BV = .840

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

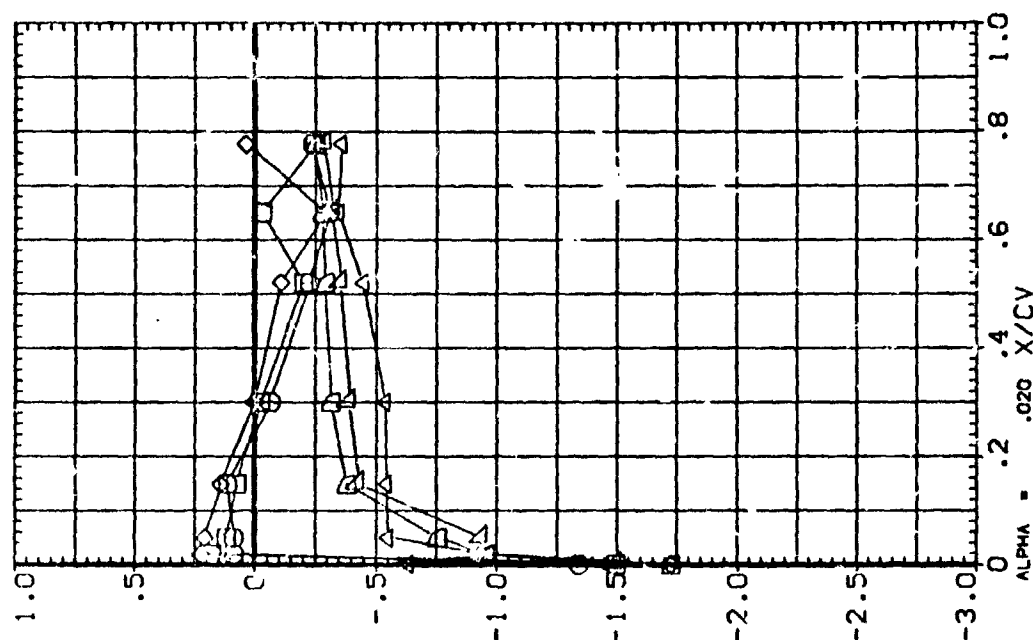
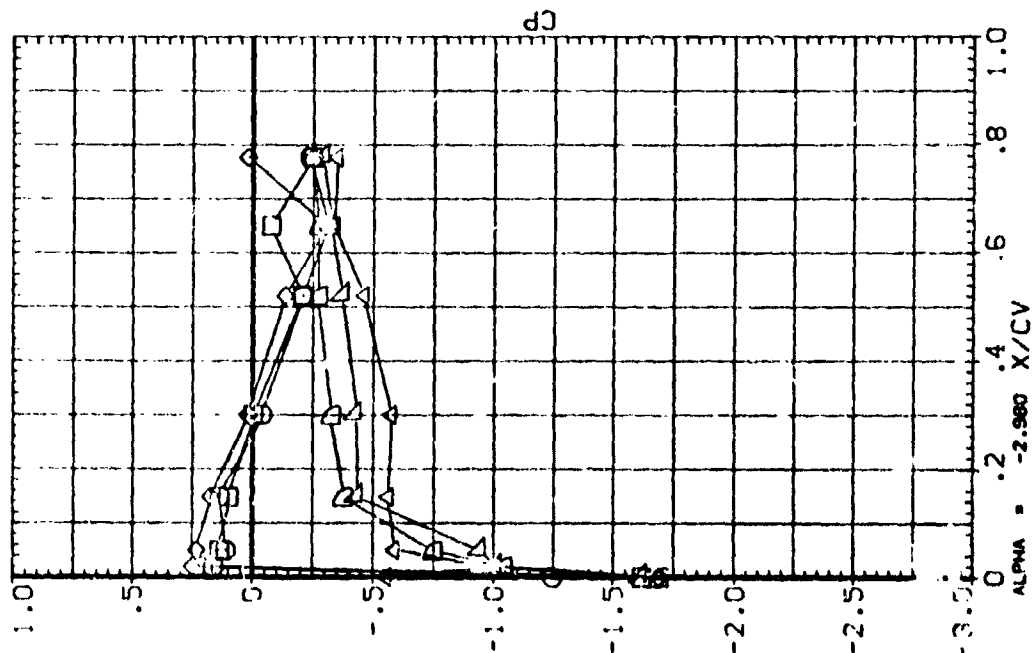


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$
 $z/b = -10.060$ $z/b = .925$ PAGE 385

DATA SET SYMBOL
 (82693) 1
 (82693) 2
 (82693) 3
 (82693) 4
 (82693) 5
 (82693) 6
 (82693) 7
 (82693) 8
 (82693) 9
 (82693) 10
 (82693) 11
 (82693) 12

CONFIGURATION DESCRIPTION
 B26C9315M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9315M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9315M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9315M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9315M7F8W116E26V8P5X9 LEFT VERTICAL
 B26C9315M7F8W116E26V8P5X9 RIGHT VERTICAL
 B26C9315M7F8W116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 -10.000 .000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

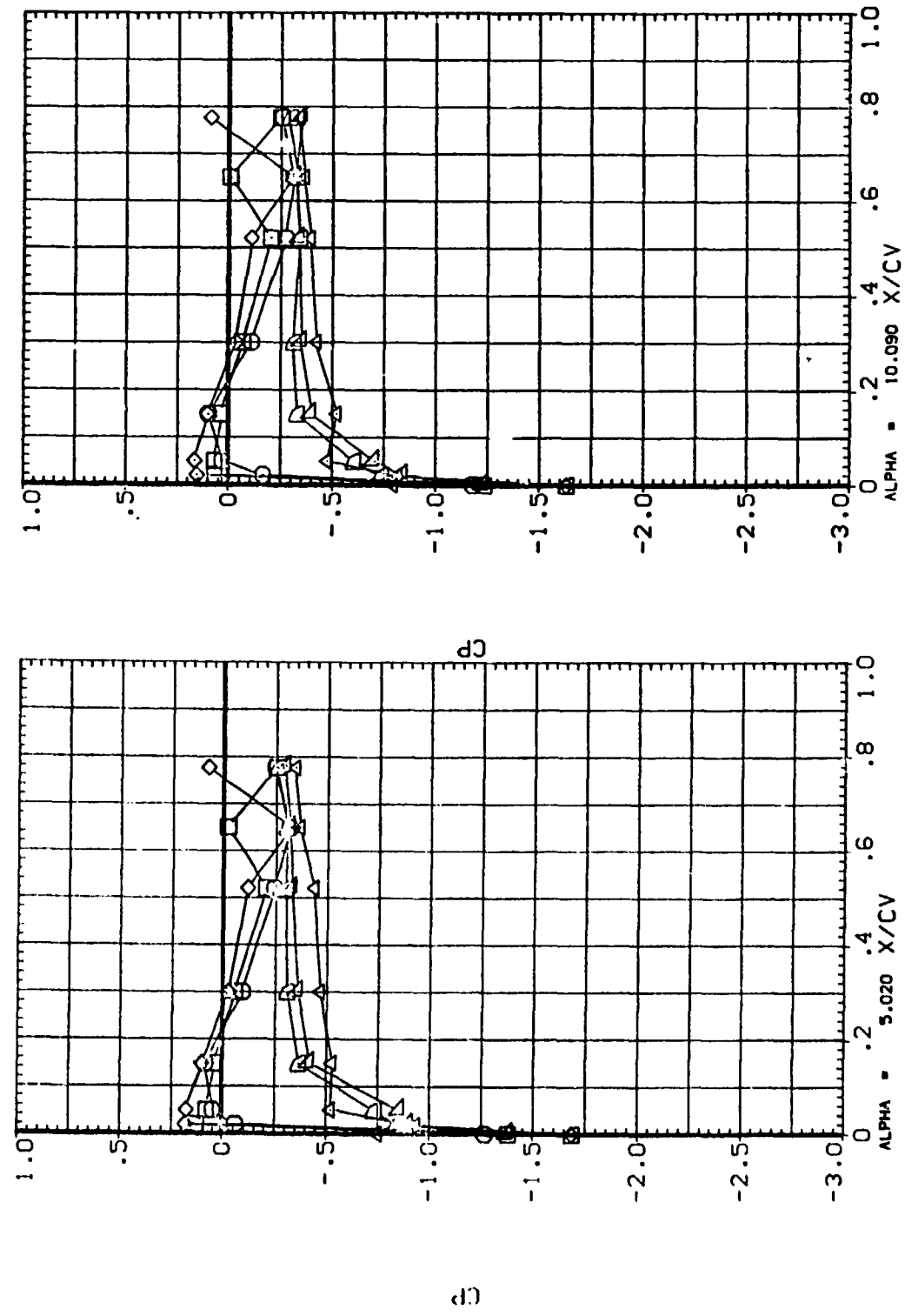


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = -10

BETA = -10.060 Z/BV = .925

CONFIGURATION	DESCRIPTION
B2C9G1SM7EW16E6V8BS3X9	LEFT VERTICAL
B2C9G3SM7EW16E6V8BS3X9	LEFT VERTICAL
B2C9G5SM7EW16E6V8BS3X9	LEFT VERTICAL
B2C9G7SM7EW16E6V8BS3X9	LEFT VERTICAL
B2C9G9SM7EW16E6V8BS3X9	RIGHT VERTICAL
B2C9G3SM7EW16E6V8BS3X9	RIGHT VERTICAL

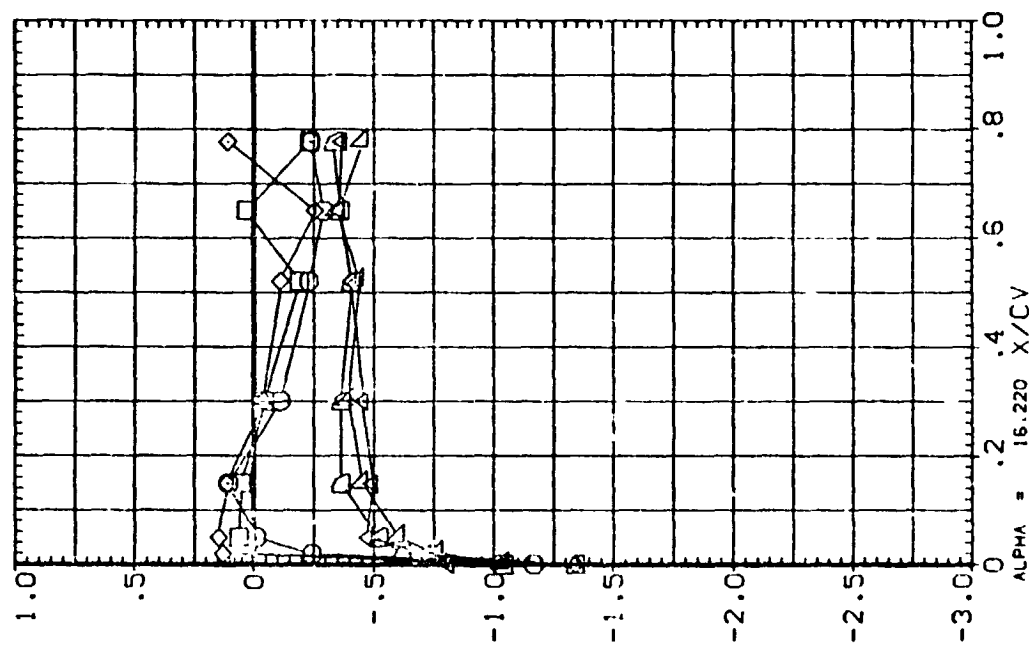
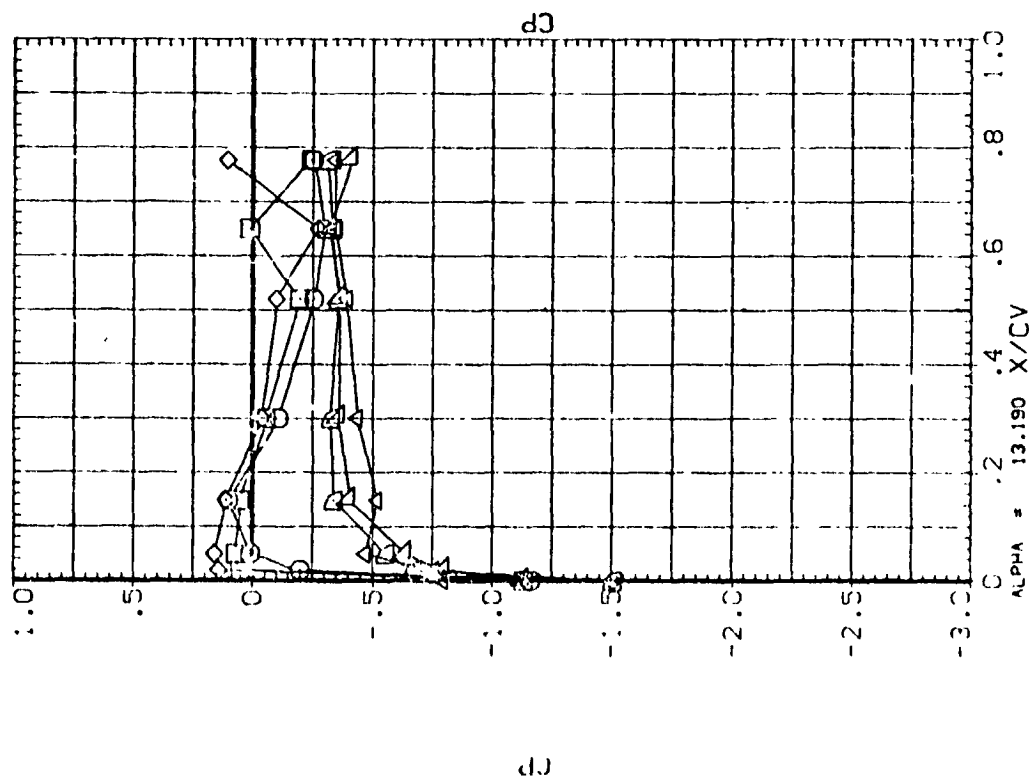


FIG. 37 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = -10$
 $\beta = -10.000$ $Z/B = .325$ PAGE 387

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

DATA SET SYMBOL	CONFIGURATION DESCRIPTION
(P0004)	B2609154758W116E26.895X9 LEFT VERTICAL
(P0016)	B2609154758W116E26.895X9 LEFT VERTICAL
(P0013)	B2609154758W116E26.895X9 LEFT VERTICAL
(P0016)	B2609154758W116E26.895X9 LEFT VERTICAL
(P0013)	B2609154758W116E26.895X9 RIGHT VERTICAL

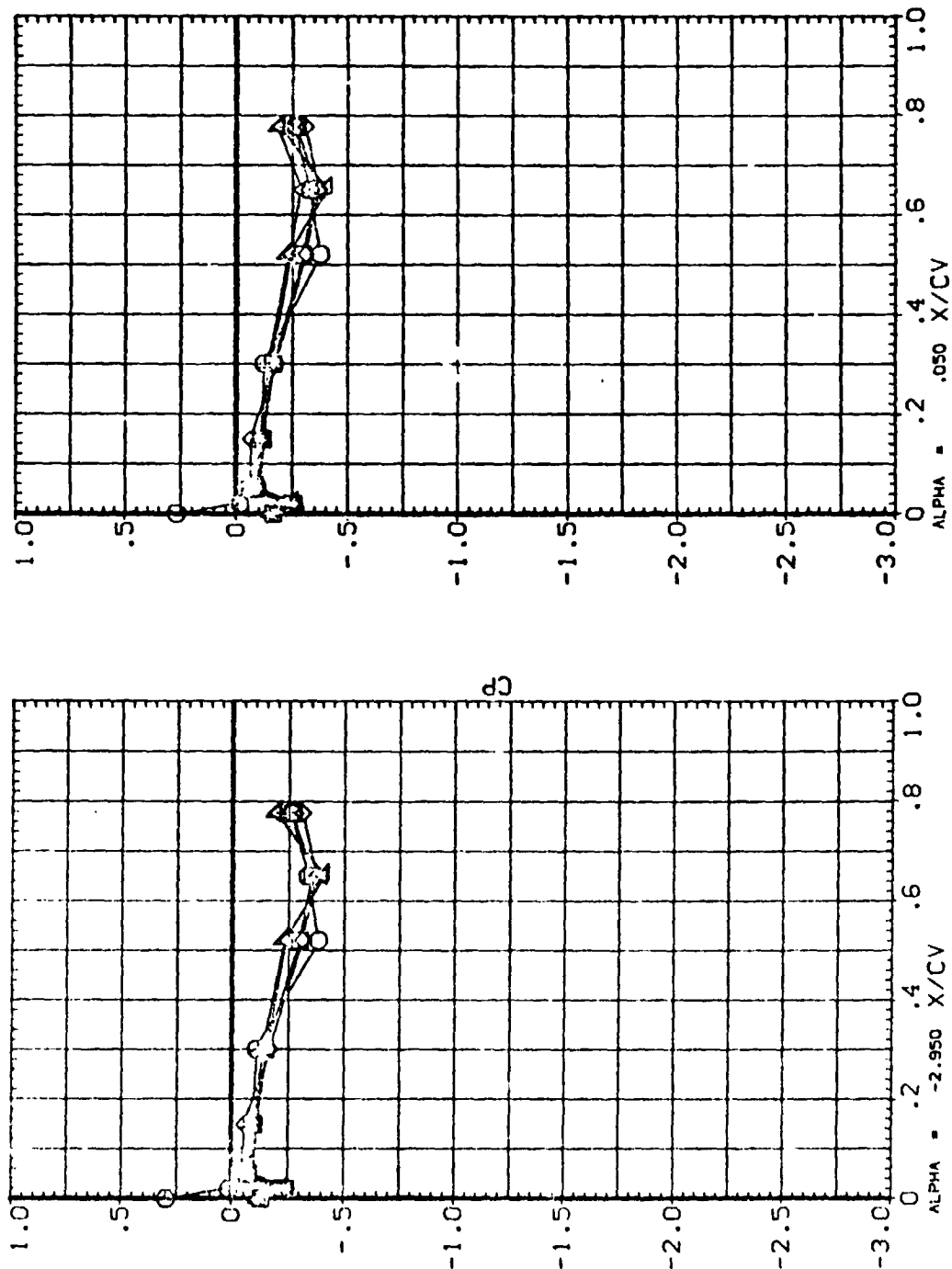


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .158

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DATA SET SYMBOL CONFIGURATION DESCRIPTION

DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
0000	VERTICAL	.000	.000	.000
0001	VERTICAL	.000	.000	.000
0002	VERTICAL	.000	.000	.000
0003	VERTICAL	.000	.000	.000
0004	VERTICAL	.000	.000	.000
0005	VERTICAL	.000	.000	.000
0006	VERTICAL	.000	.000	.000
0007	VERTICAL	.000	.000	.000
0008	VERTICAL	.000	.000	.000
0009	VERTICAL	.000	.000	.000
0010	VERTICAL	.000	.000	.000
0011	VERTICAL	.000	.000	.000
0012	VERTICAL	.000	.000	.000
0013	VERTICAL	.000	.000	.000
0014	VERTICAL	.000	.000	.000
0015	VERTICAL	.000	.000	.000
0016	VERTICAL	.000	.000	.000
0017	VERTICAL	.000	.000	.000
0018	VERTICAL	.000	.000	.000
0019	VERTICAL	.000	.000	.000
0020	VERTICAL	.000	.000	.000
0021	VERTICAL	.000	.000	.000
0022	VERTICAL	.000	.000	.000
0023	VERTICAL	.000	.000	.000
0024	VERTICAL	.000	.000	.000
0025	VERTICAL	.000	.000	.000
0026	VERTICAL	.000	.000	.000
0027	VERTICAL	.000	.000	.000
0028	VERTICAL	.000	.000	.000
0029	VERTICAL	.000	.000	.000
0030	VERTICAL	.000	.000	.000
0031	VERTICAL	.000	.000	.000
0032	VERTICAL	.000	.000	.000
0033	VERTICAL	.000	.000	.000
0034	VERTICAL	.000	.000	.000
0035	VERTICAL	.000	.000	.000
0036	VERTICAL	.000	.000	.000
0037	VERTICAL	.000	.000	.000
0038	VERTICAL	.000	.000	.000
0039	VERTICAL	.000	.000	.000
0040	VERTICAL	.000	.000	.000
0041	VERTICAL	.000	.000	.000
0042	VERTICAL	.000	.000	.000
0043	VERTICAL	.000	.000	.000
0044	VERTICAL	.000	.000	.000
0045	VERTICAL	.000	.000	.000
0046	VERTICAL	.000	.000	.000
0047	VERTICAL	.000	.000	.000
0048	VERTICAL	.000	.000	.000
0049	VERTICAL	.000	.000	.000
0050	VERTICAL	.000	.000	.000
0051	VERTICAL	.000	.000	.000
0052	VERTICAL	.000	.000	.000
0053	VERTICAL	.000	.000	.000
0054	VERTICAL	.000	.000	.000
0055	VERTICAL	.000	.000	.000
0056	VERTICAL	.000	.000	.000
0057	VERTICAL	.000	.000	.000
0058	VERTICAL	.000	.000	.000
0059	VERTICAL	.000	.000	.000
0060	VERTICAL	.000	.000	.000
0061	VERTICAL	.000	.000	.000
0062	VERTICAL	.000	.000	.000
0063	VERTICAL	.000	.000	.000
0064	VERTICAL	.000	.000	.000
0065	VERTICAL	.000	.000	.000
0066	VERTICAL	.000	.000	.000
0067	VERTICAL	.000	.000	.000
0068	VERTICAL	.000	.000	.000
0069	VERTICAL	.000	.000	.000
0070	VERTICAL	.000	.000	.000
0071	VERTICAL	.000	.000	.000
0072	VERTICAL	.000	.000	.000
0073	VERTICAL	.000	.000	.000
0074	VERTICAL	.000	.000	.000
0075	VERTICAL	.000	.000	.000
0076	VERTICAL	.000	.000	.000
0077	VERTICAL	.000	.000	.000
0078	VERTICAL	.000	.000	.000
0079	VERTICAL	.000	.000	.000
0080	VERTICAL	.000	.000	.000
0081	VERTICAL	.000	.000	.000
0082	VERTICAL	.000	.000	.000
0083	VERTICAL	.000	.000	.000
0084	VERTICAL	.000	.000	.000
0085	VERTICAL	.000	.000	.000
0086	VERTICAL	.000	.000	.000
0087	VERTICAL	.000	.000	.000
0088	VERTICAL	.000	.000	.000
0089	VERTICAL	.000	.000	.000
0090	VERTICAL	.000	.000	.000
0091	VERTICAL	.000	.000	.000
0092	VERTICAL	.000	.000	.000
0093	VERTICAL	.000	.000	.000
0094	VERTICAL	.000	.000	.000
0095	VERTICAL	.000	.000	.000
0096	VERTICAL	.000	.000	.000
0097	VERTICAL	.000	.000	.000
0098	VERTICAL	.000	.000	.000
0099	VERTICAL	.000	.000	.000
0100	VERTICAL	.000	.000	.000

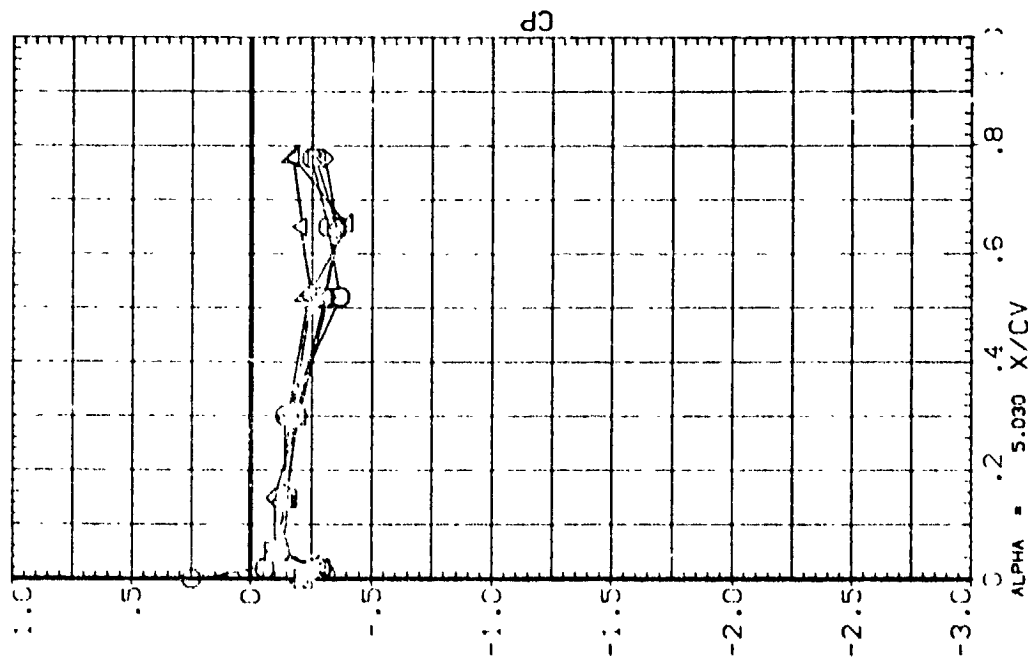
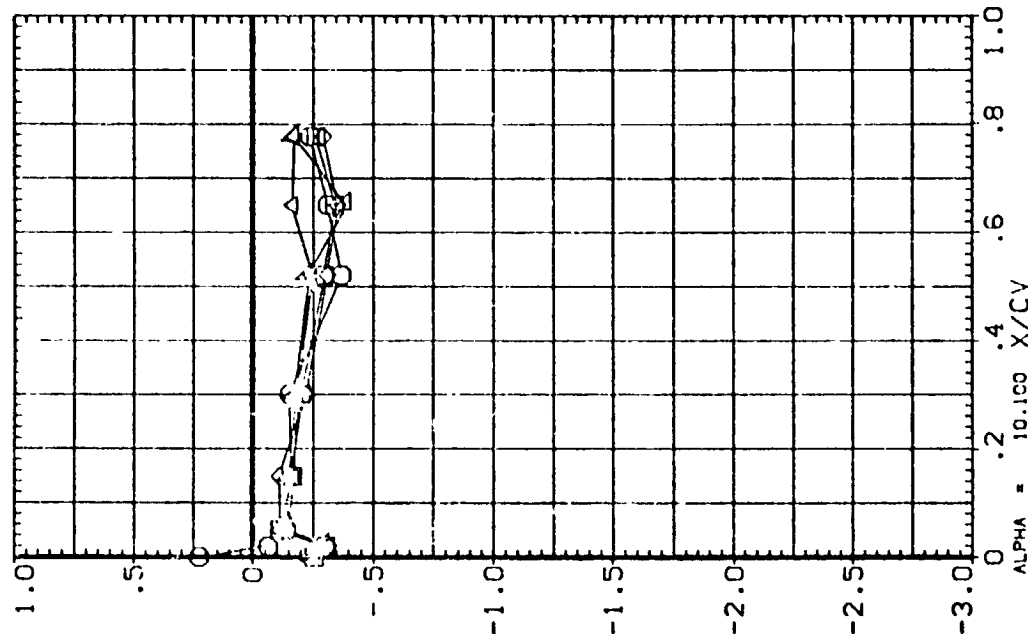


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

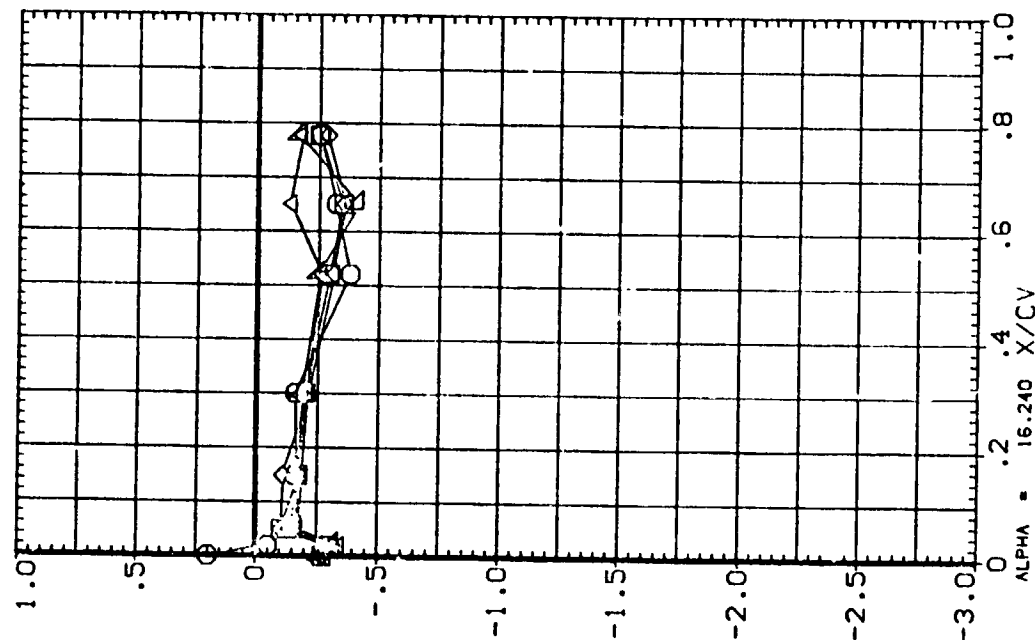
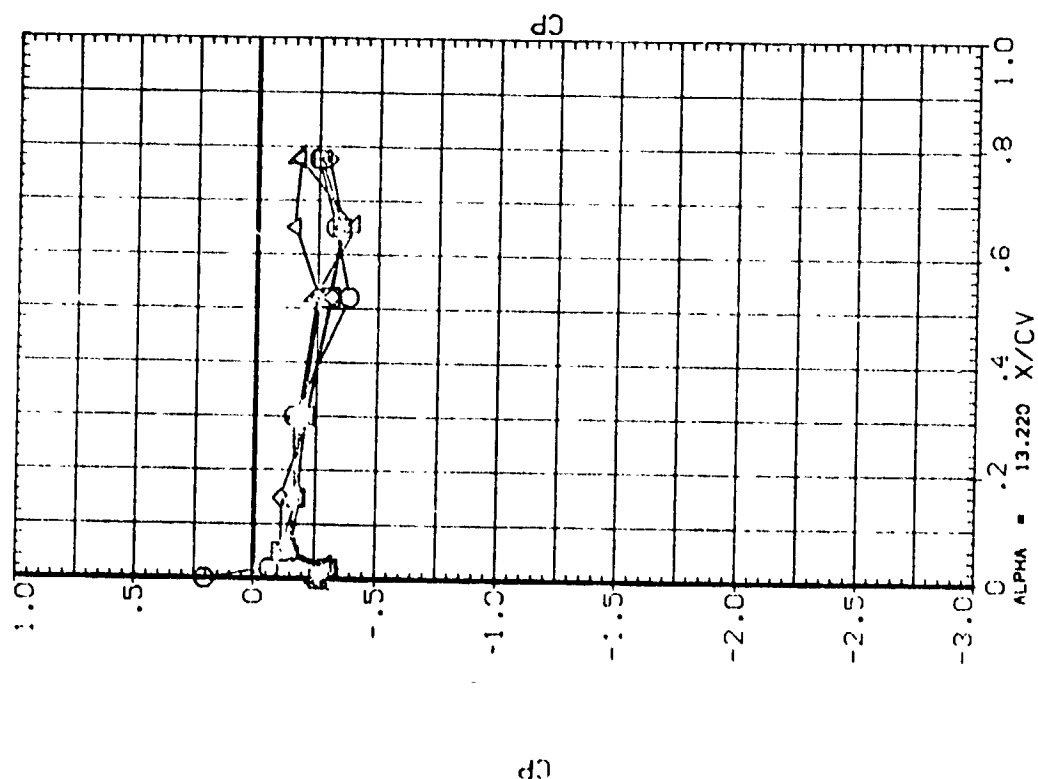


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

$$\frac{85}{100} = \frac{AE}{Z} \quad 0.85 = \frac{AE}{Z}$$

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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (PC3V04) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V16) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL
 (PC3V13) B2C9G15M7F8M11E26V8P5X9 LEFT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

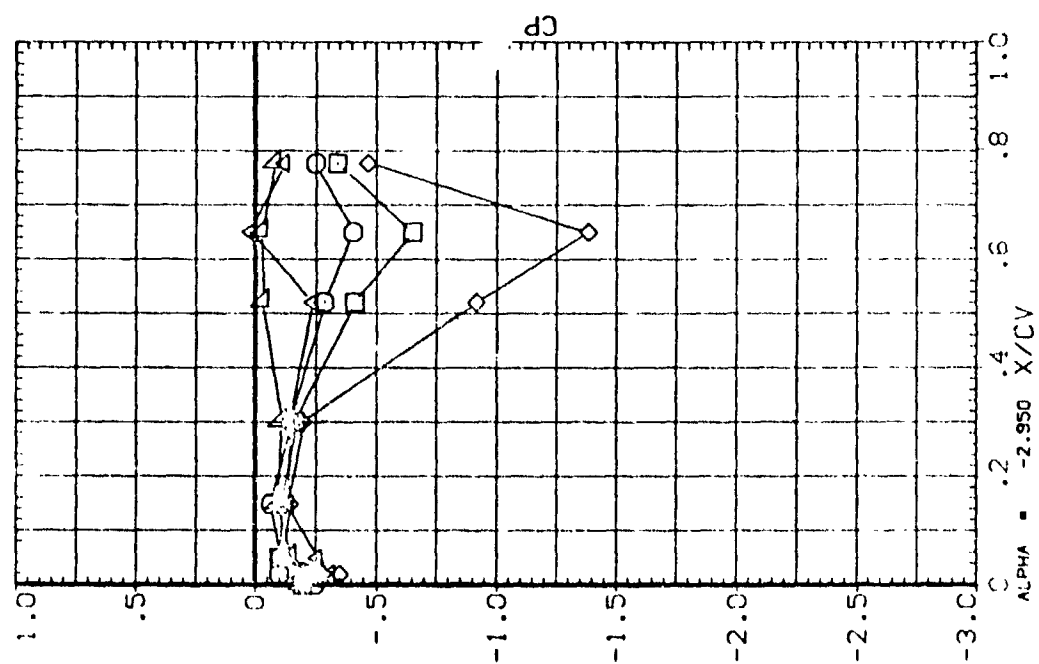
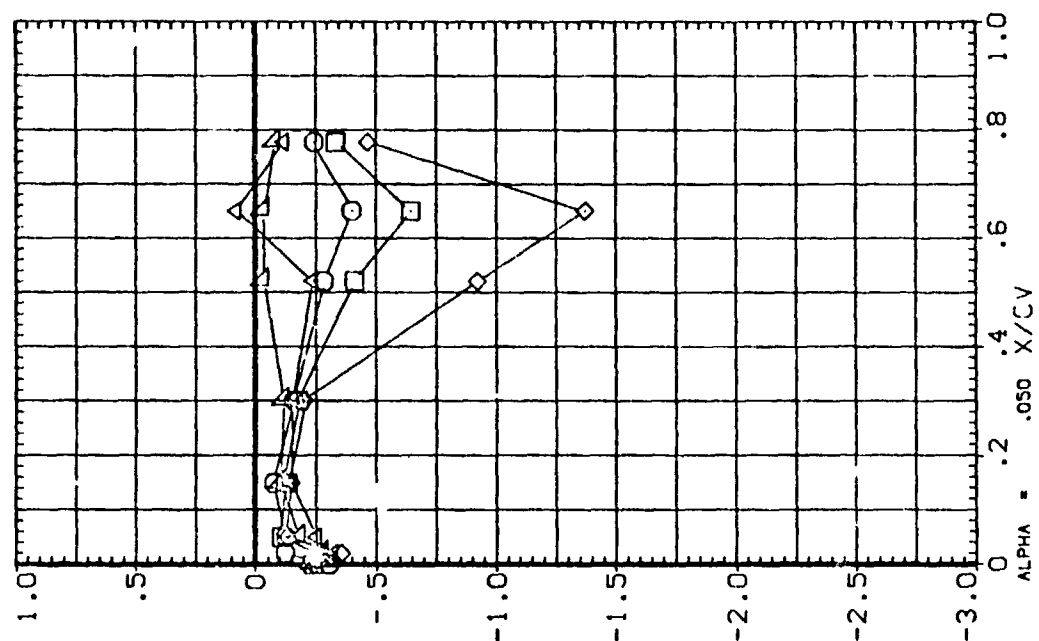


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -0.00 Z/BV = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RDOV04) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV16) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV13) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV16) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL
 (RCGV13) B26C9G:SM7FBW:16226Y8R5X8 LEFT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 -7.500 .000 .000
 -15.000 .000 .000
 -7.500 .000 .000
 -15.000 .000 .000

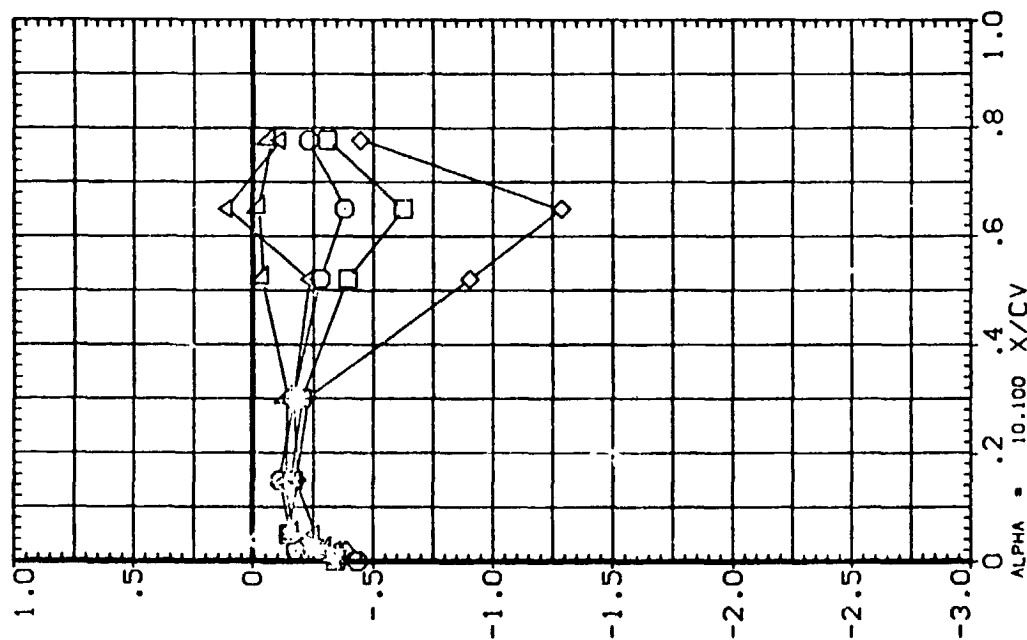
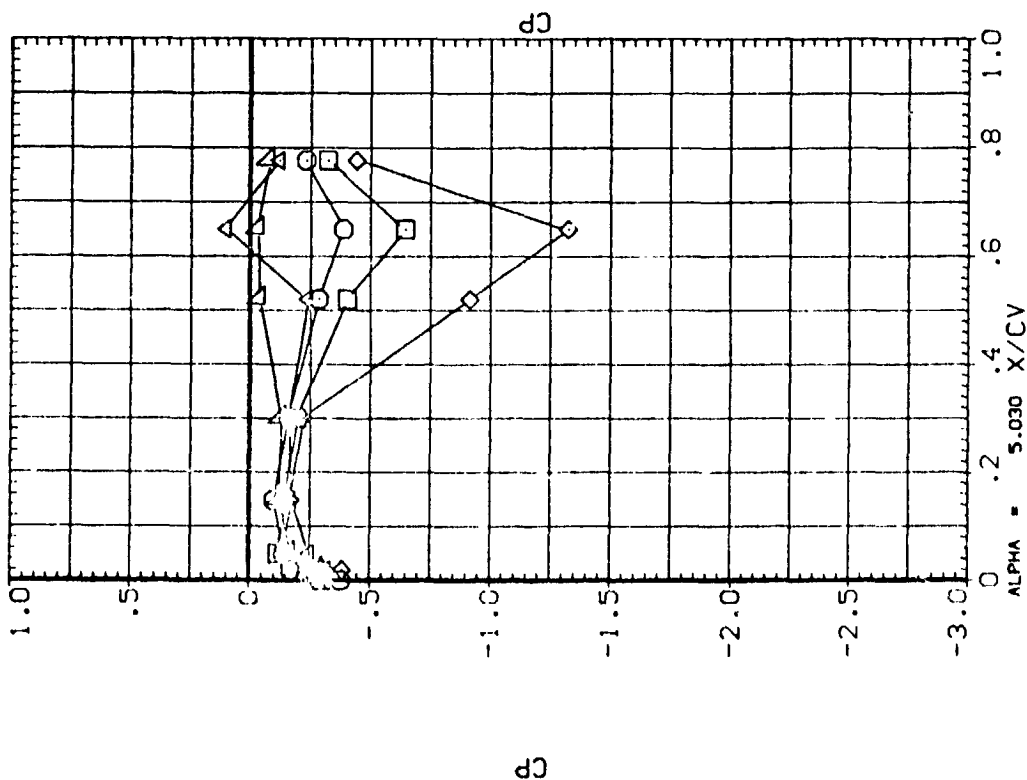


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00104) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00105) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00106) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00107) B06C9G15M7F8M116E26V8P5X9 LEFT VERTICAL
 (R00108) B06C9G15M7F8M116E26V8P5X9 RIGHT VERTICAL
 (R00109) B06C9G15M7F8M116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

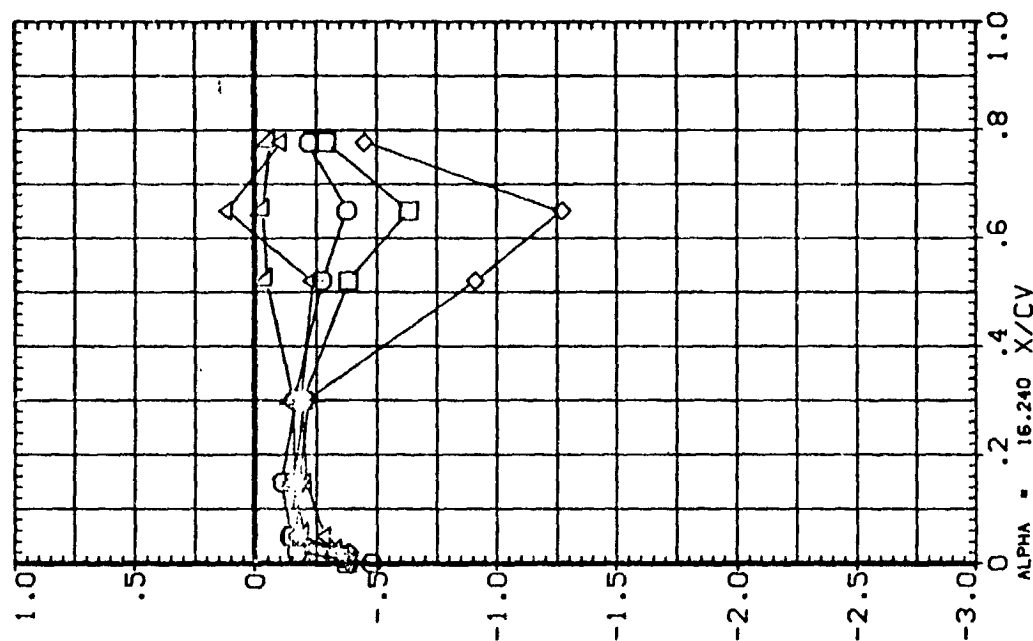
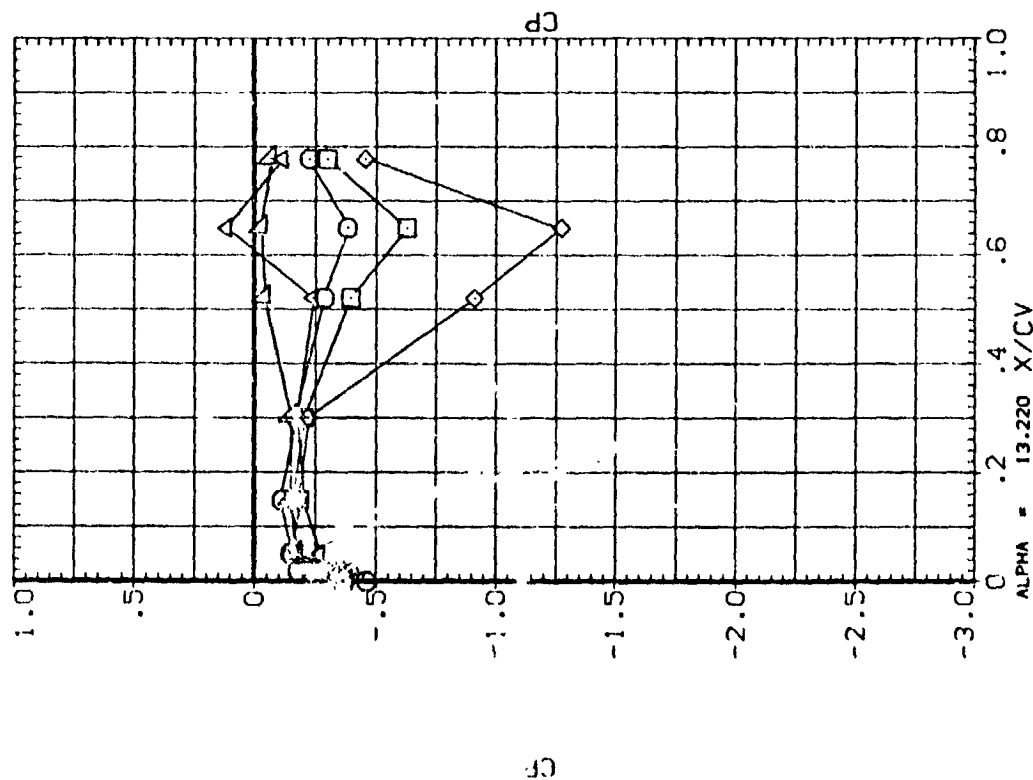


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/BV = .316

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02V04) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V16) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V13) B2633315M7B#116E26.8P5X9 LEFT VERTICAL
 (R02V19) B2633315M7B#116E26.8P5X9 RIGHT VERTICAL
 (R02V13) B2633315M7B#116E26.8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

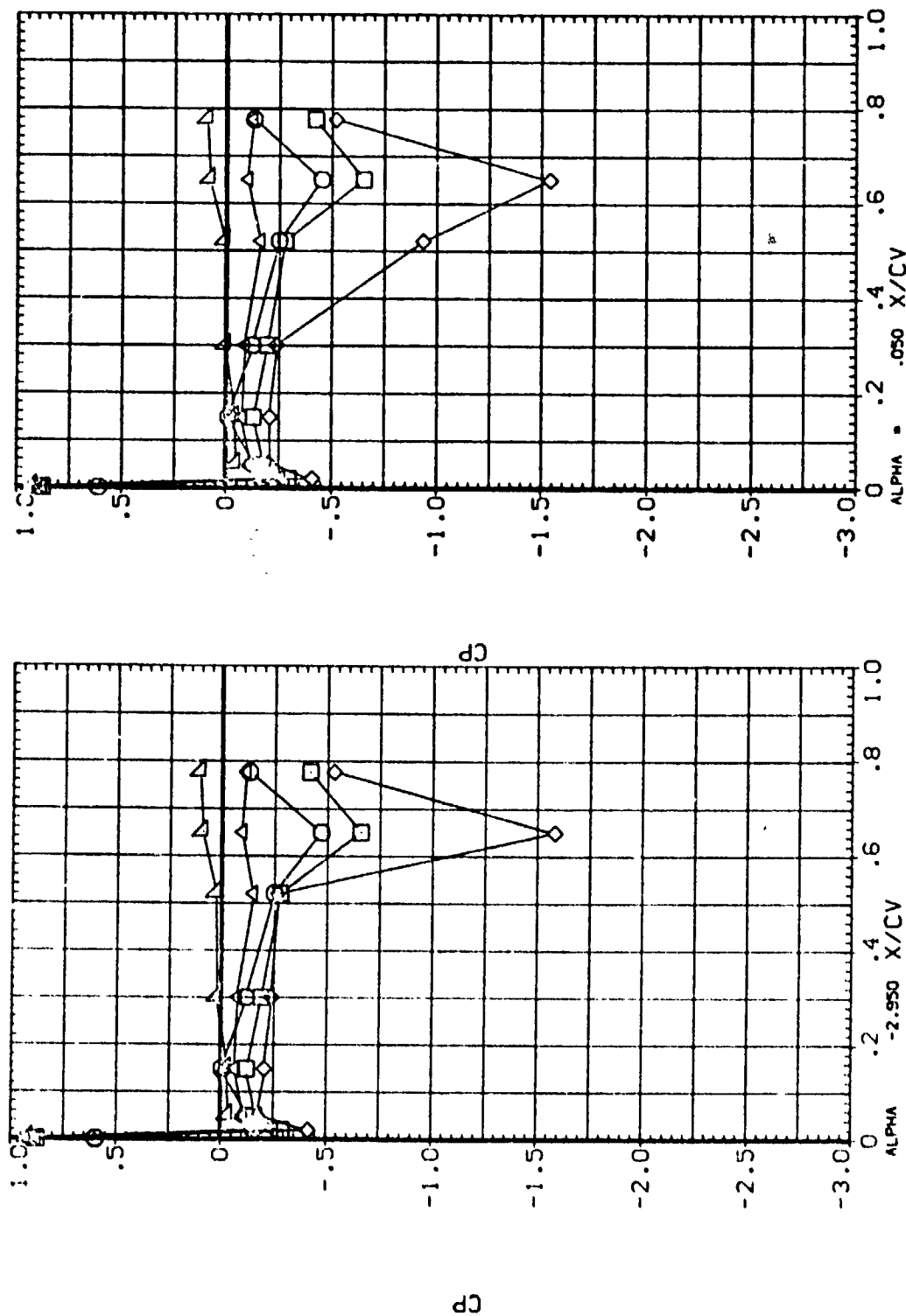


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00104) B26C93:5W7F8W116E26.8P5X9 LEFT VERTICAL
 (R00106) B26C93:5W7F8W116E26.8P5X9 LEFT VERTICAL
 (R00110) B26C93:5W7F8W116E26.8P5X9 LEFT VERTICAL
 (R00116) B26C93:5W7F8W116E26.8P5X9 RIGHT VERTICAL
 (R0013) B26C93:5W7F8W116E26.8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -15.000 .000

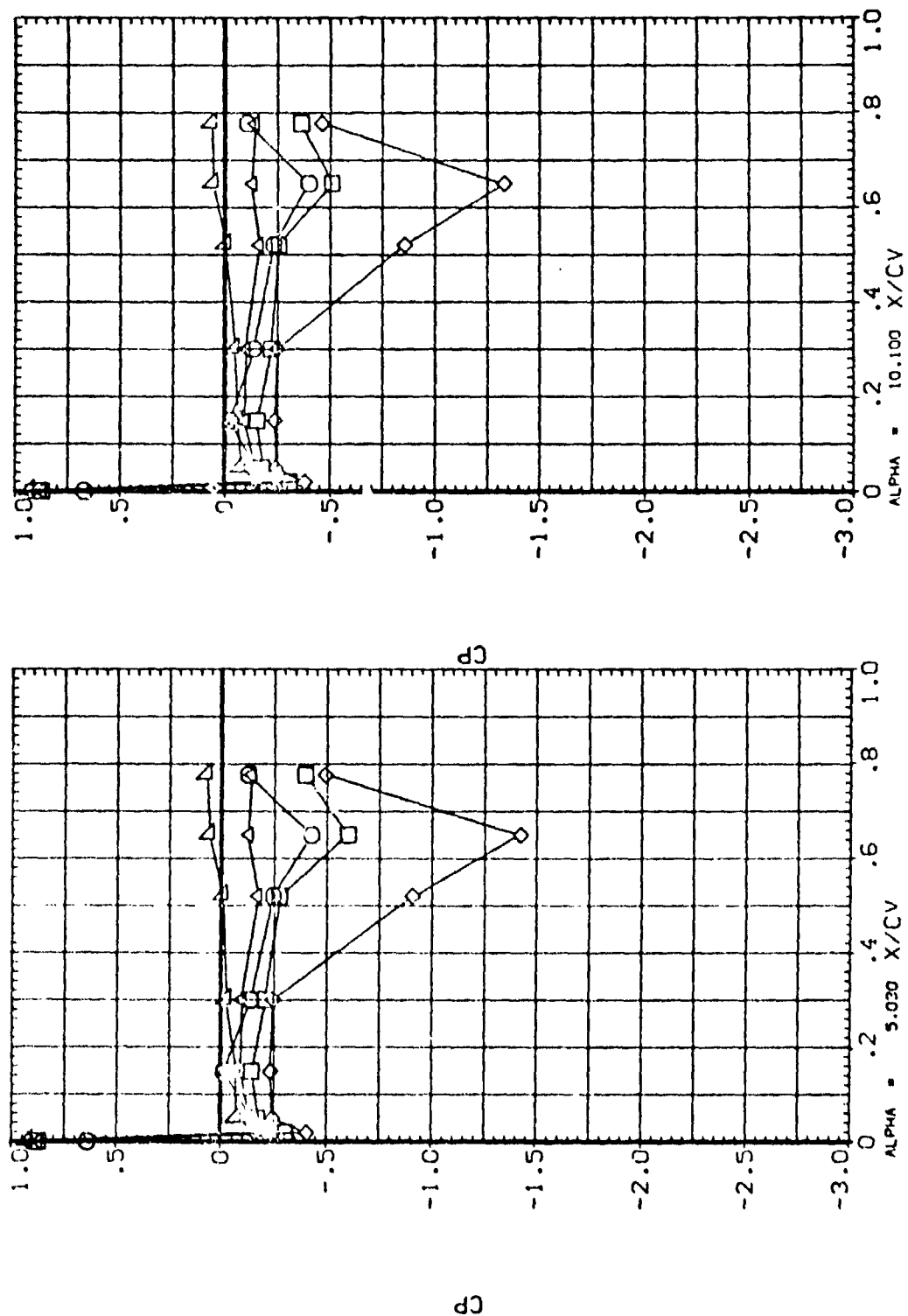


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 8250615778W116E26V85X9 LEFT VERTICAL
 8250615778W116E26V85X9 LEFT VERTICAL
 8250615778W116E26V85X9 LEFT VERTICAL
 8250615778W116E26V85X9 LEFT VERTICAL
 8250615778W116E26V85X9 RIGHT VERTICAL
 8250615778W116E26V85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

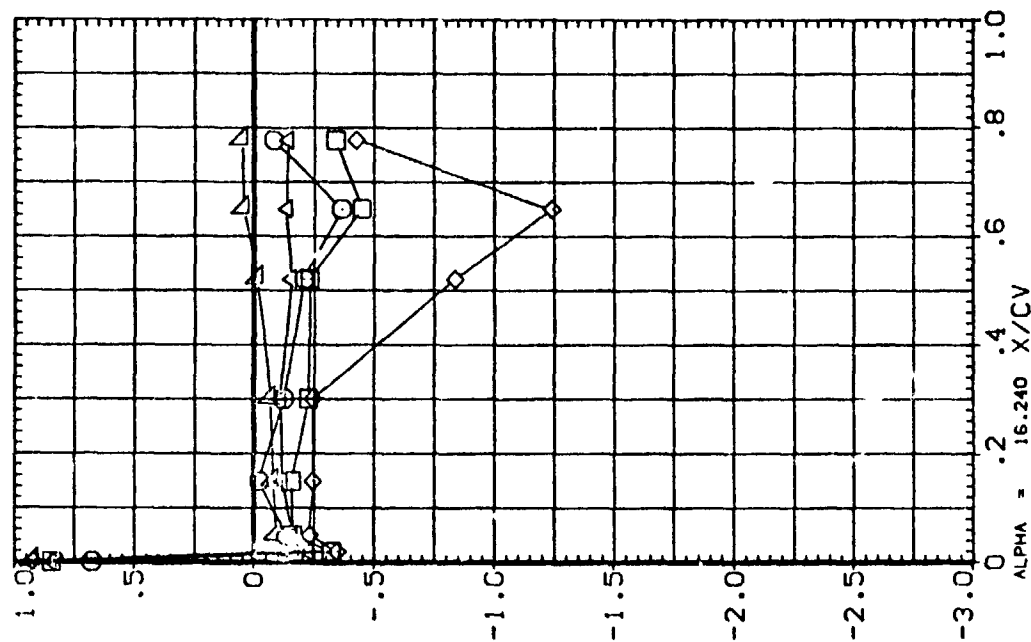
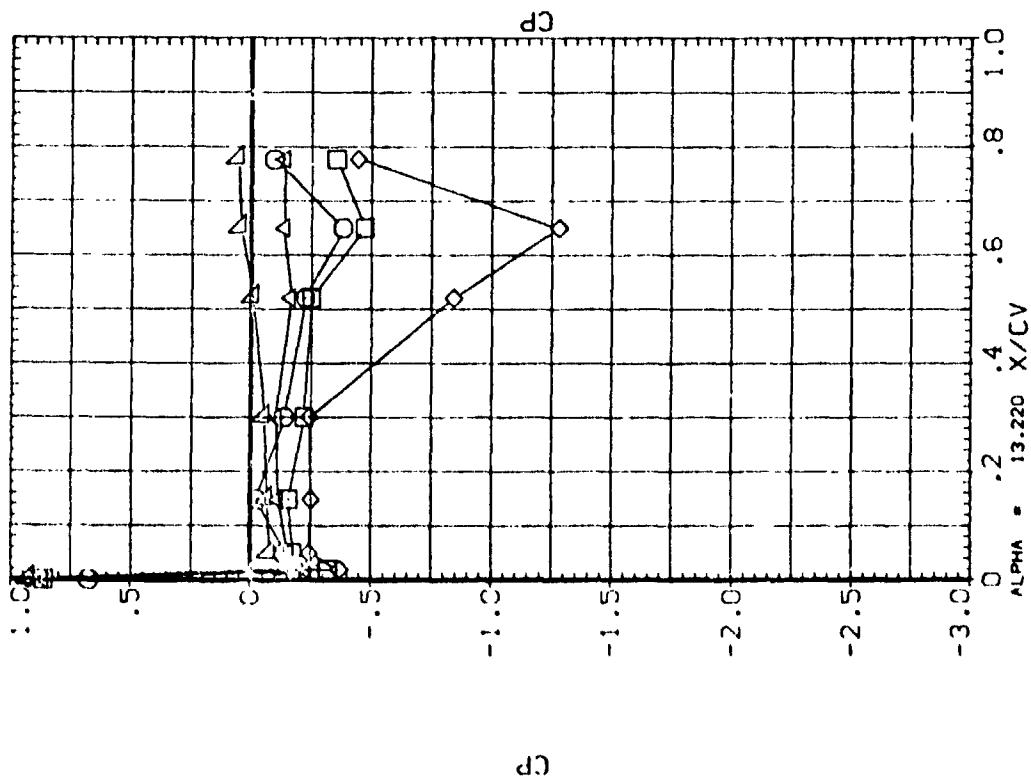


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -0.010 Z/BV = .600

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

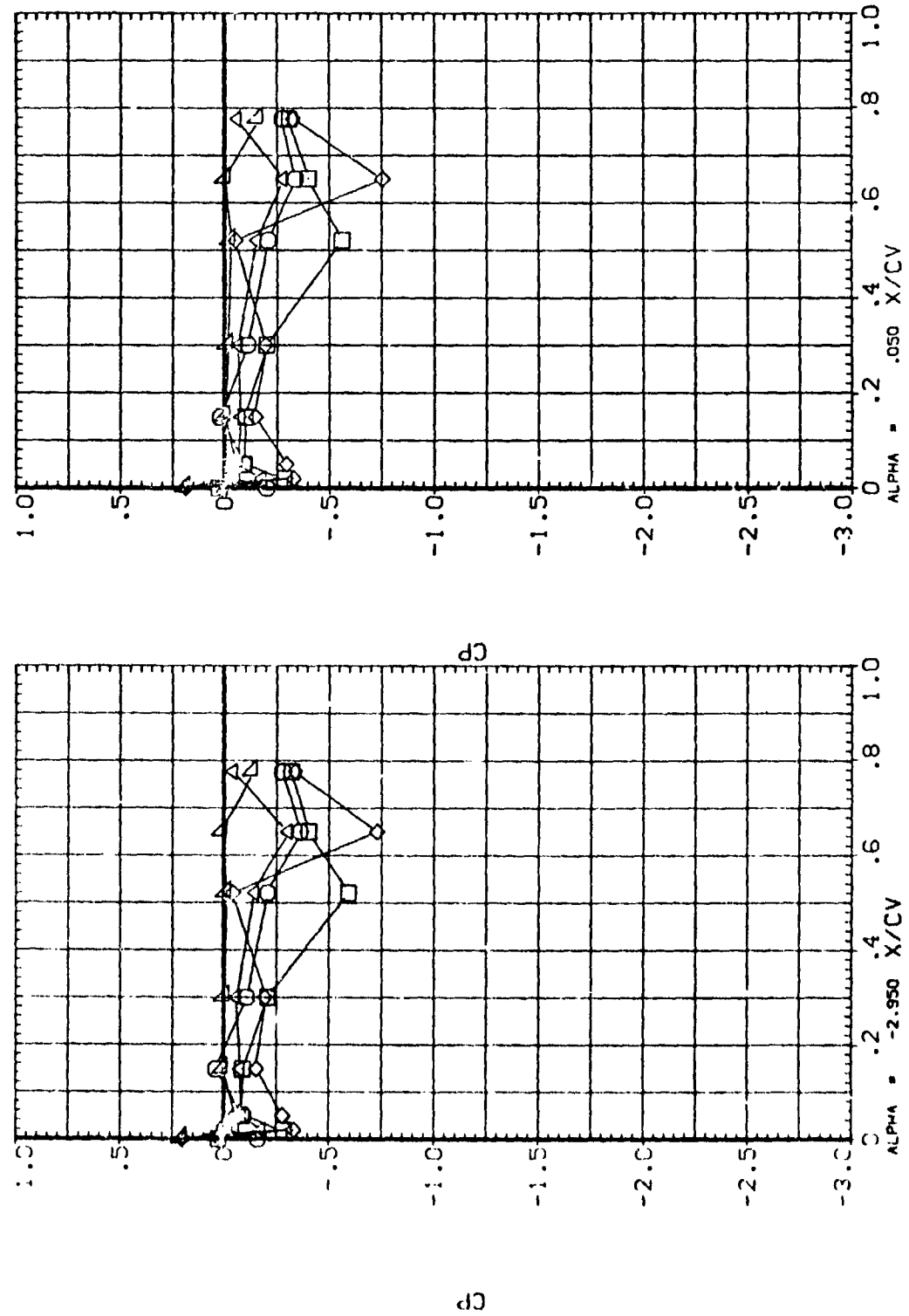


FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$

$$0.58'' = \Delta \theta / Z \quad 0.00'' = 0.00$$

DATA SET 5-BOL
 100-04
 100-10
 100-13
 100-16
 100-19
 100-22
 100-25
 100-28
 100-31
 100-34
 100-37
 100-40
 100-43
 100-46
 100-49
 100-52
 100-55
 100-58
 100-61
 100-64
 100-67
 100-70
 100-73
 100-76
 100-79
 100-82
 100-85
 100-88
 100-91
 100-94
 100-97
 100-100

CONFIGURATION DESCRIPTION
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 LEFT VERTICAL
 82609G154784116E26/8R5X9 RIGHT VERTICAL
 82609G154784116E26/8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000
 .000 -7.500
 .000 .000
 .000 -15.000
 .000 -17.500
 .000 -15.000
 .000 -7.500

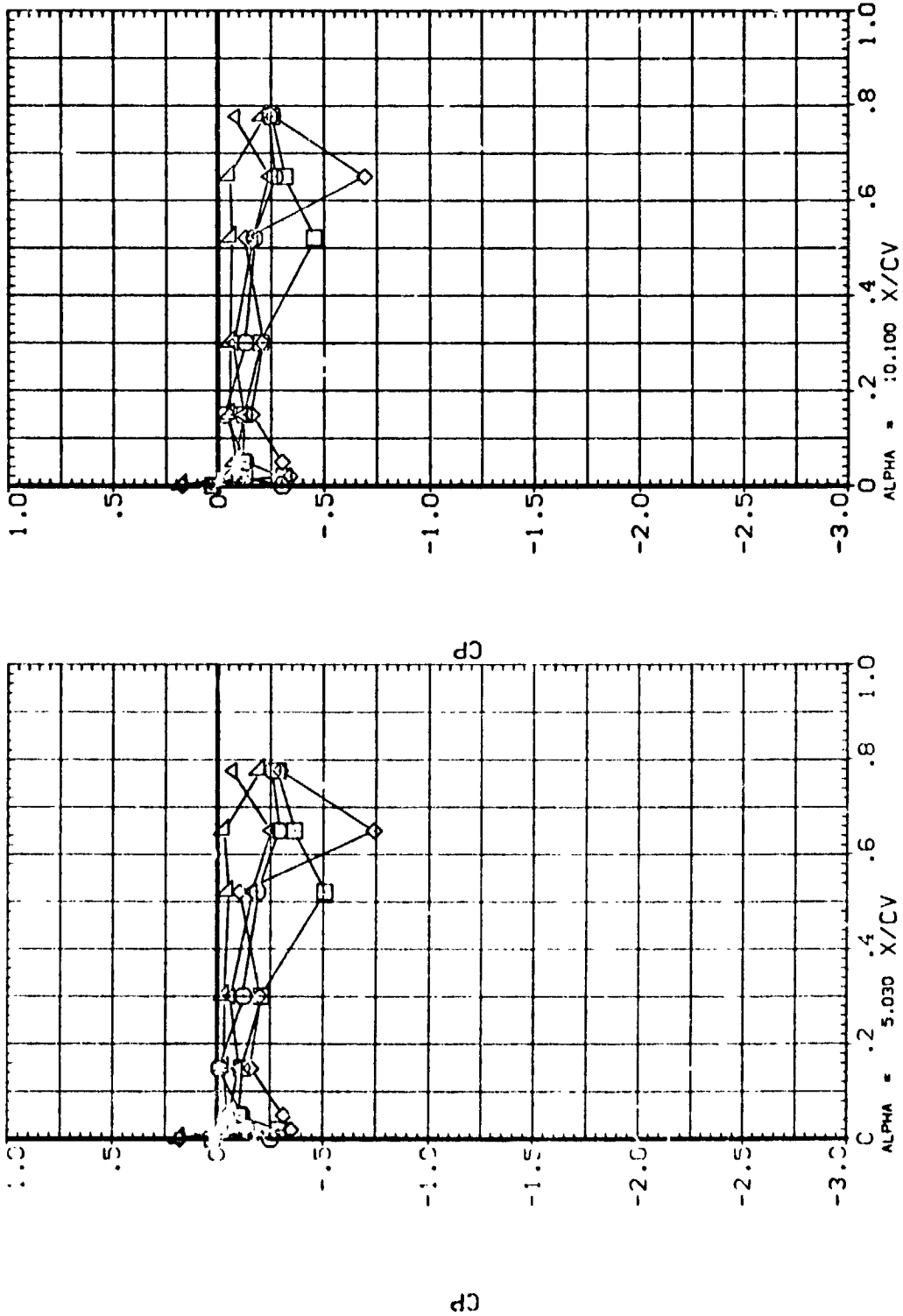
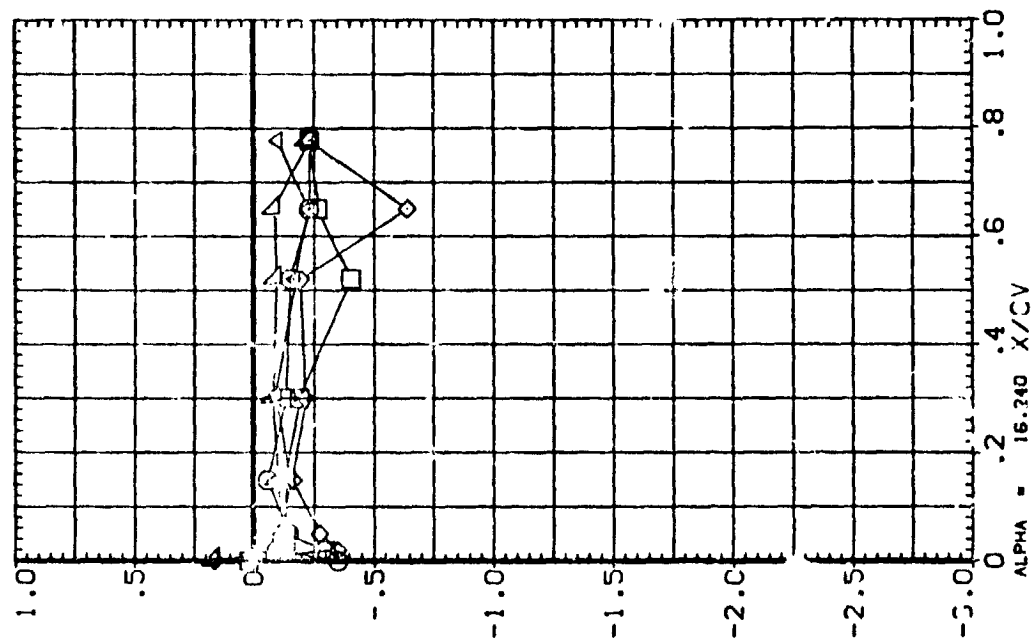
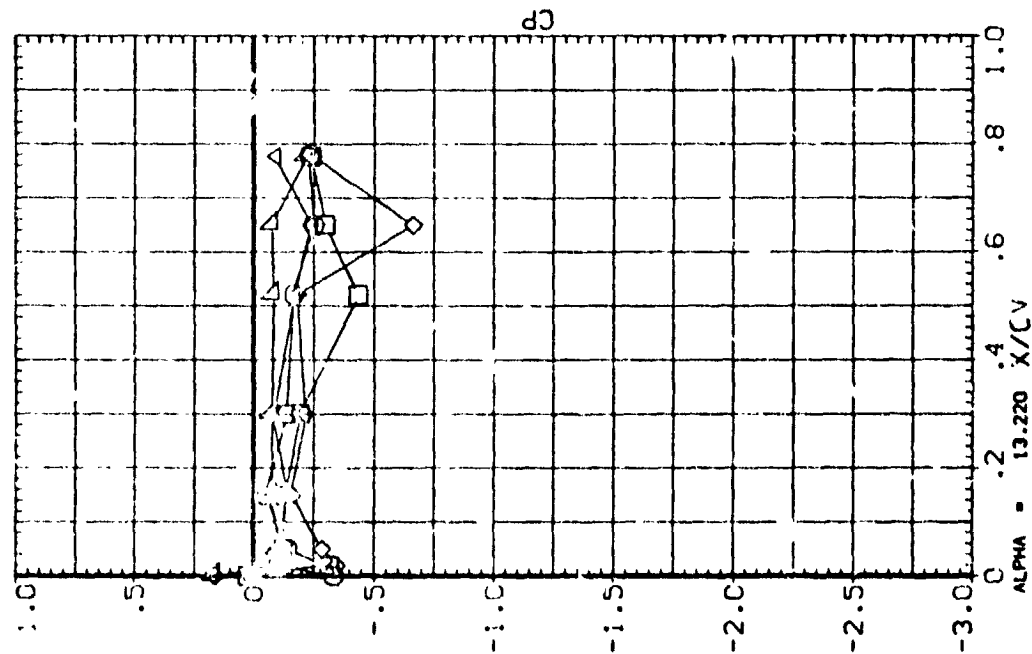


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .840

BETA	RUDDER	ELEVON
.000	.000	.000
.000	-7.500	.000
.000	-15.000	.000
.000	-7.500	.000
.000	-15.000	.000

FIG. 38. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = 0$
$$Z/BV = -.010 \quad Z/BV = .840$$

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REPRODUCIBILITY OF THE
ORIGINAL PAGE IS 100%

DATA SET 5 300
 (R03.24)
 (R03.16)
 (R03.13)
 (R03.16)
 (R03.13)

CONFIGURATION DESCRIPTION
 826000: 54758116526V655X9 LEFT VERTICAL
 826000: 54758116526V655X9 LEFT VERTICAL
 826000: 54758116526V655X9 LEFT VERTICAL
 826000: 54758116526V655X9 LEFT VERTICAL
 826000: 54758116526V655X9 RIGHT VERTICAL
 826000: 54758116526V655X9 RIGHT VERTICAL

BETA RUDER Z ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

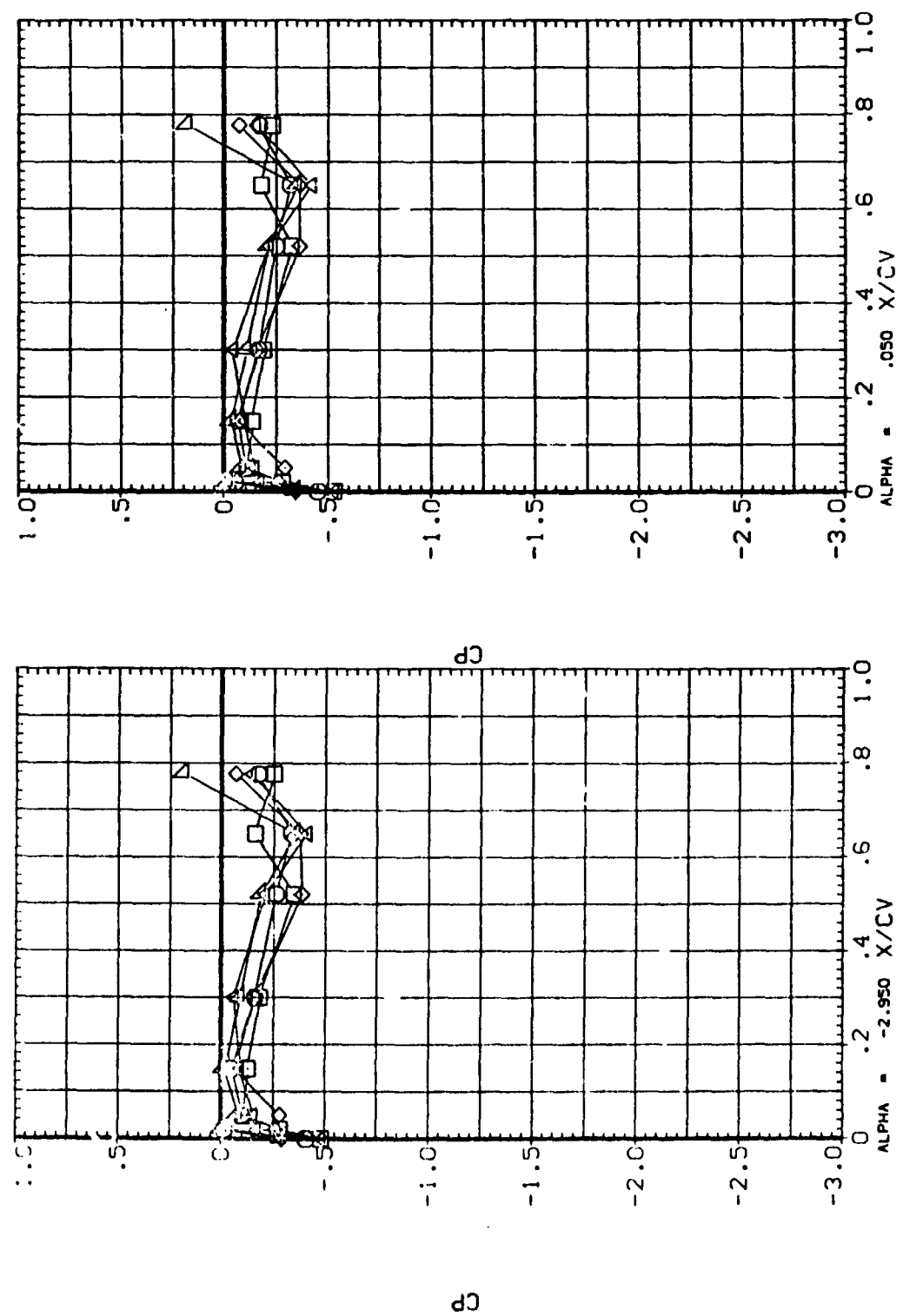


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/BV = .925 PAGE 400

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P03V04) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V16) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V13) B26C93 5M7F8 116E26V8P5X9 LEFT VERTICAL
 (P03V16) B26C93 5M7F8 116E26V8P5X9 RIGHT VERTICAL
 (P03V13) B26C93 5M7F8 116E26V8P5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

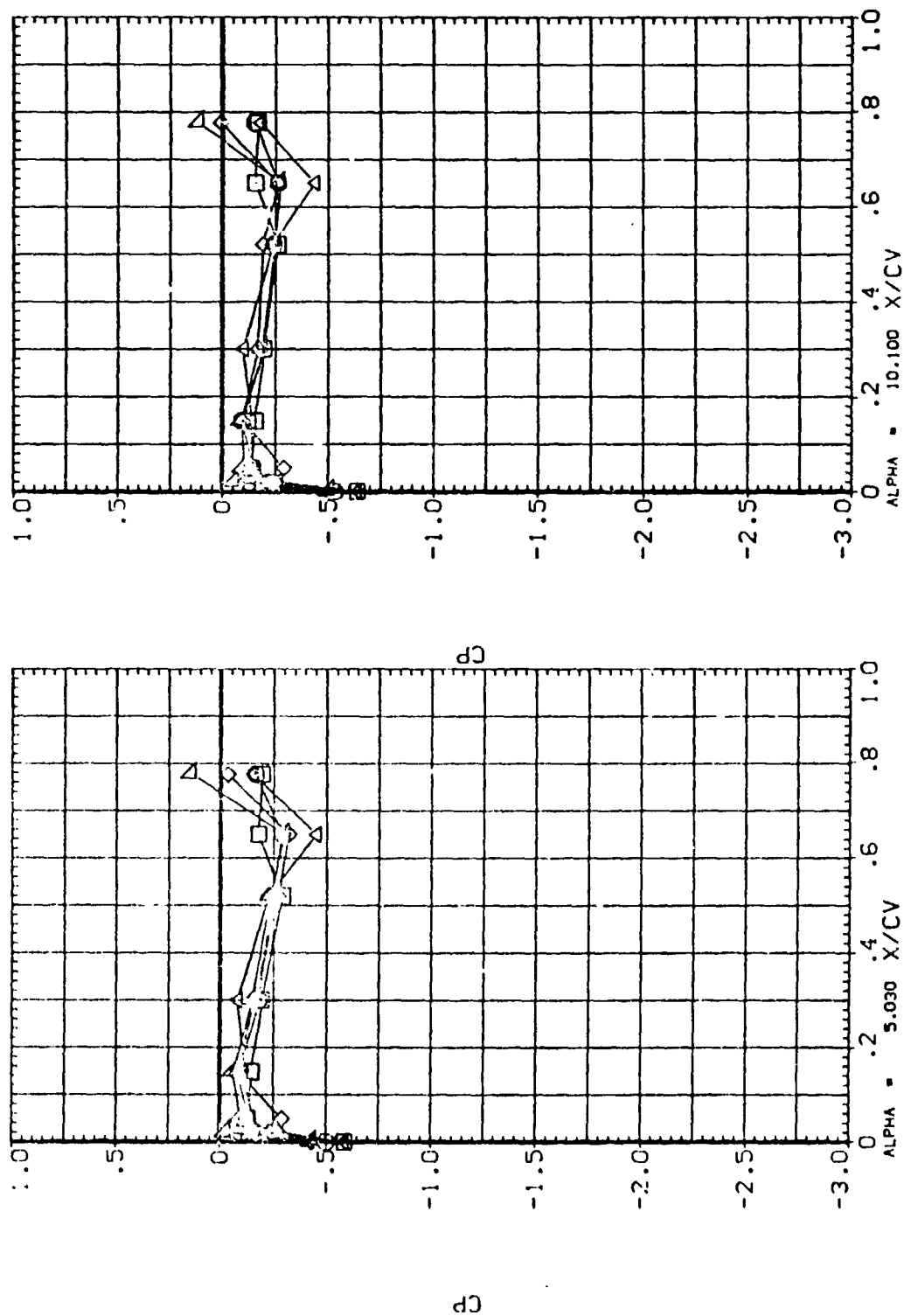


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0

BETA = -.010 Z/BV = .925

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (000004) B260915M758W116E26.95X9 LEFT VERTICAL
 (000016) B260915M758W116E26.95X9 LEFT VERTICAL
 (000013) B260915M758W116E26.95X9 LEFT VERTICAL
 (000016) B260915M758W116E26.95X9 RIGHT VERTICAL
 (000013) B260915M758W116E26.95X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 .000 .000 .000
 .000 -7.500 .000
 .000 -15.000 .000
 .000 -7.500 .000
 .000 -15.000 .000

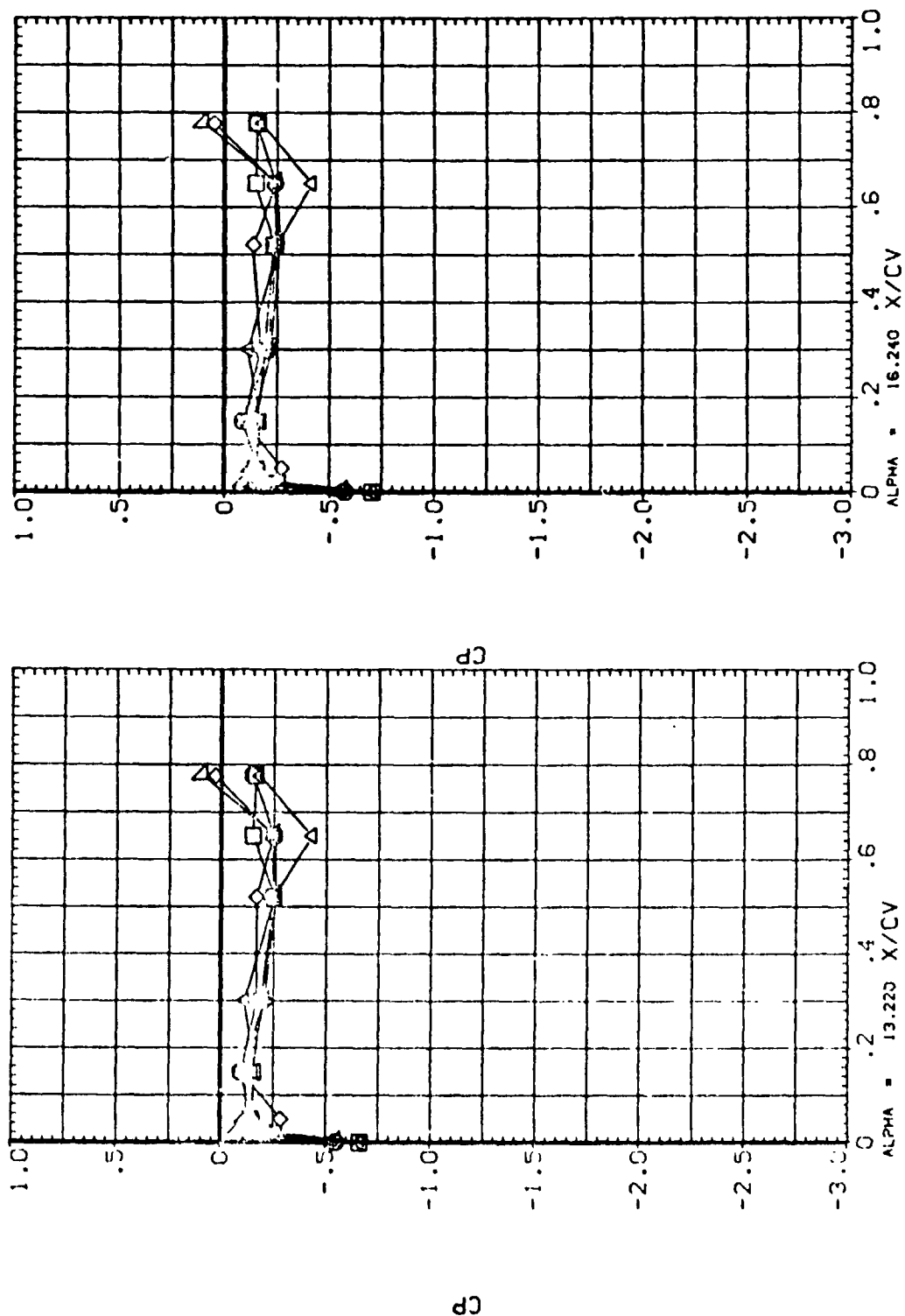


FIG. 38 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = 0
 BETA = -.010 Z/2Y = .925 PAGE 402

DATA SET 5-93C1 CONFIGURATION DESCRIPTION
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 LEFT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL
 8263315M758W116E26V85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000

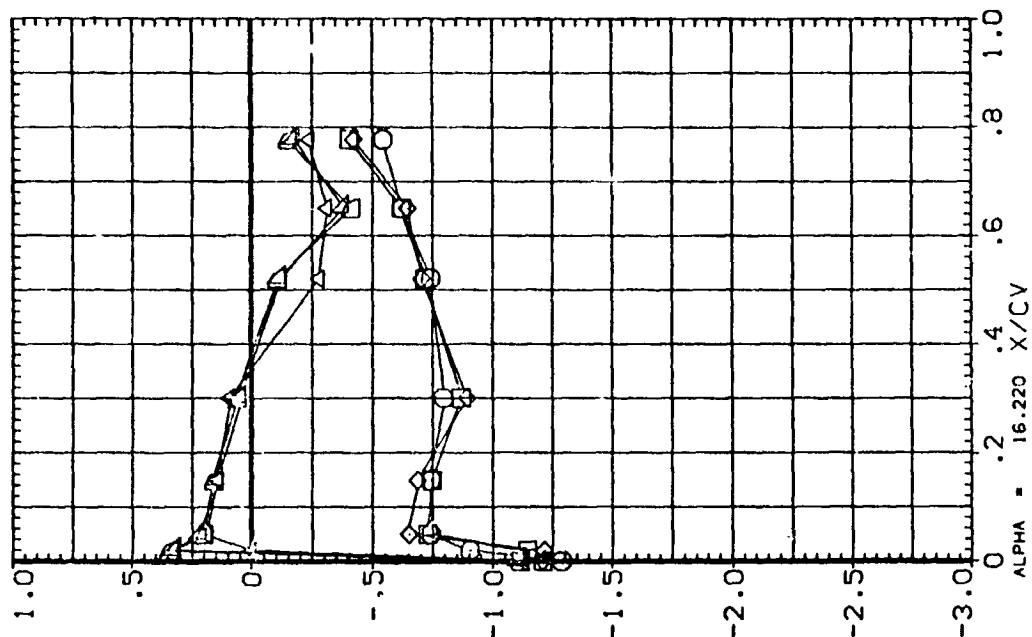
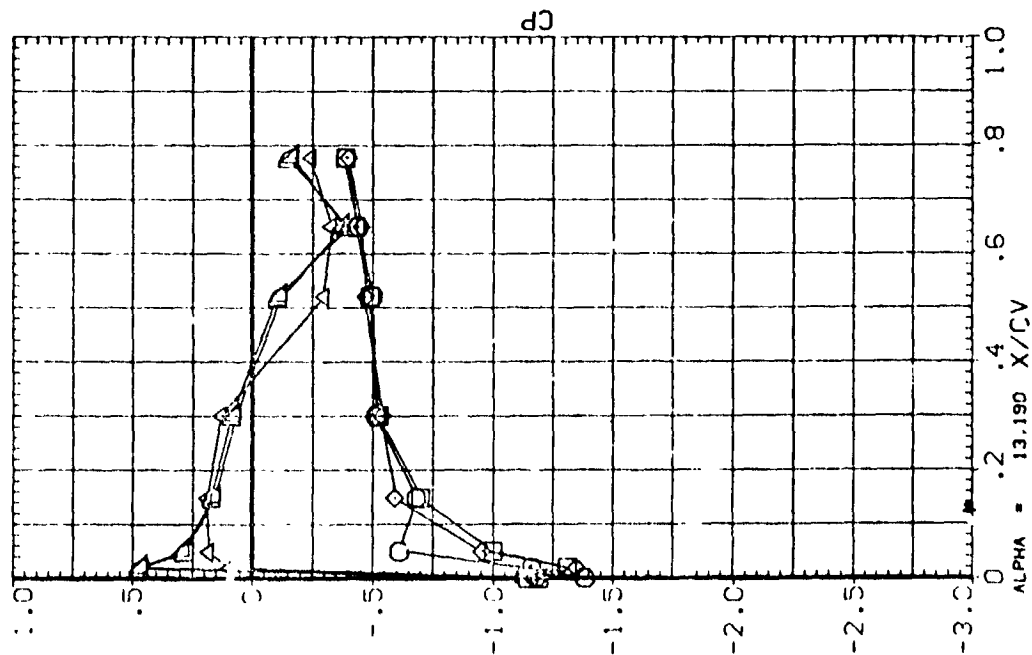


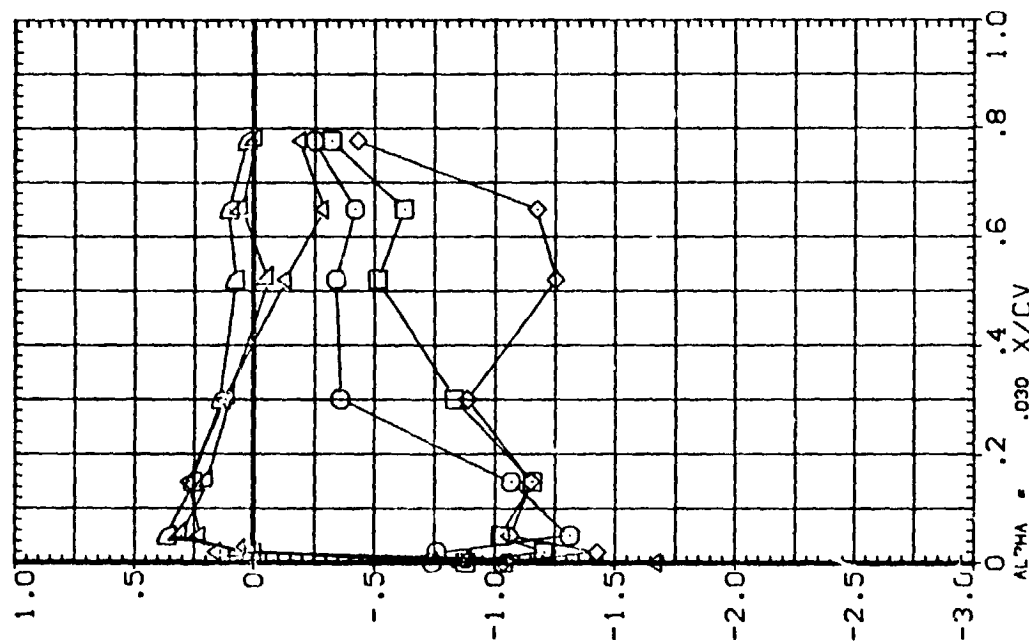
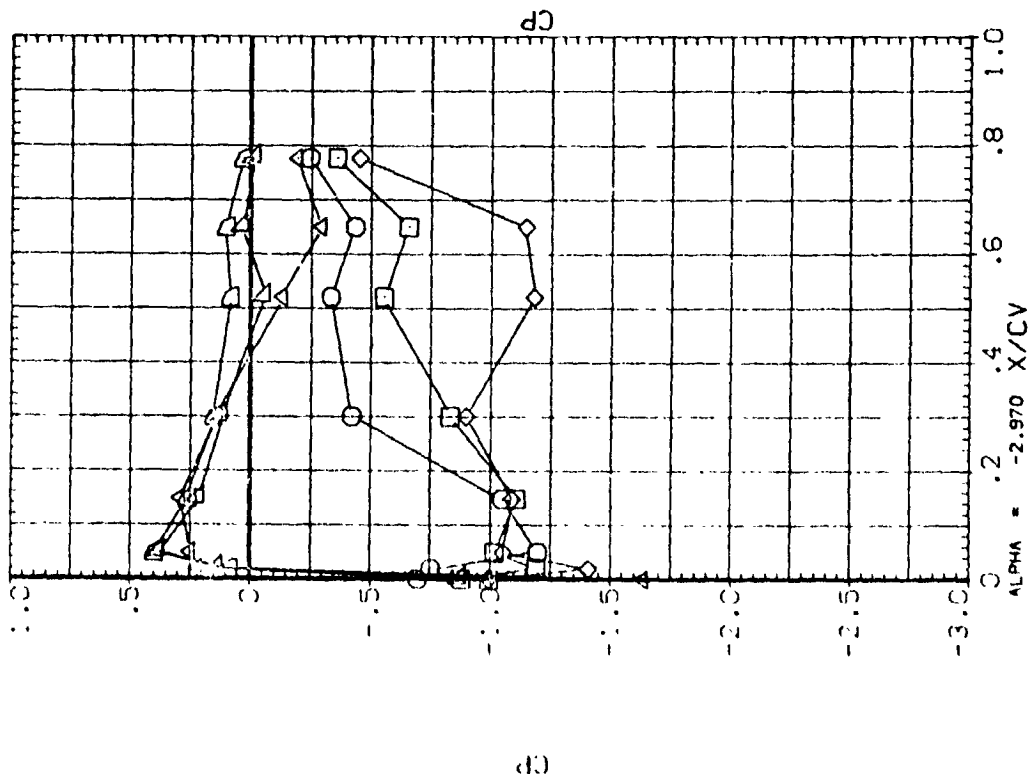
FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 ALPHA = 10.050 Z/BV = .158

REPRODUCIBILITY OF THE
 ORIGINAL PAGE IS POOR

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[illegible]

BETA	RUGGER	ELEVEN
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000



39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

$$\frac{1}{100} = 0.01 = 1\%$$

DATA SET SYMBOL

(R02V05)
(R02V17)
(R02V14)
(R02V03)
(R02V17)
(R02V14)

CONFIGURATION DESCRIPTION

B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL
B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON

10.000 .000
10.000 .000
10.000 -7.500
10.000 -15.000
-10.000 .000
-10.000 .000
10.000 -7.500
10.000 -15.000

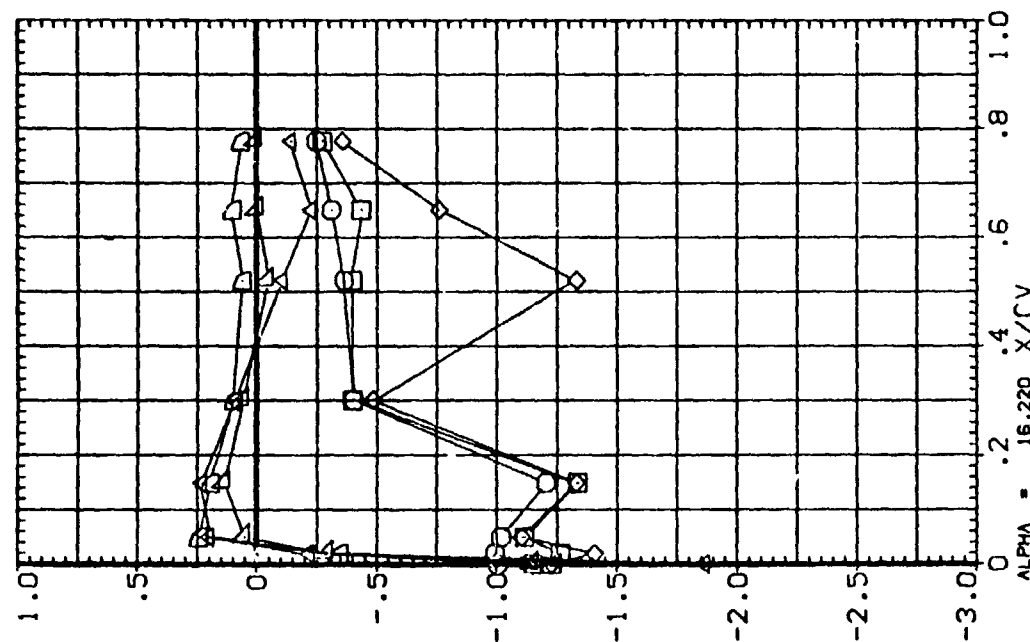
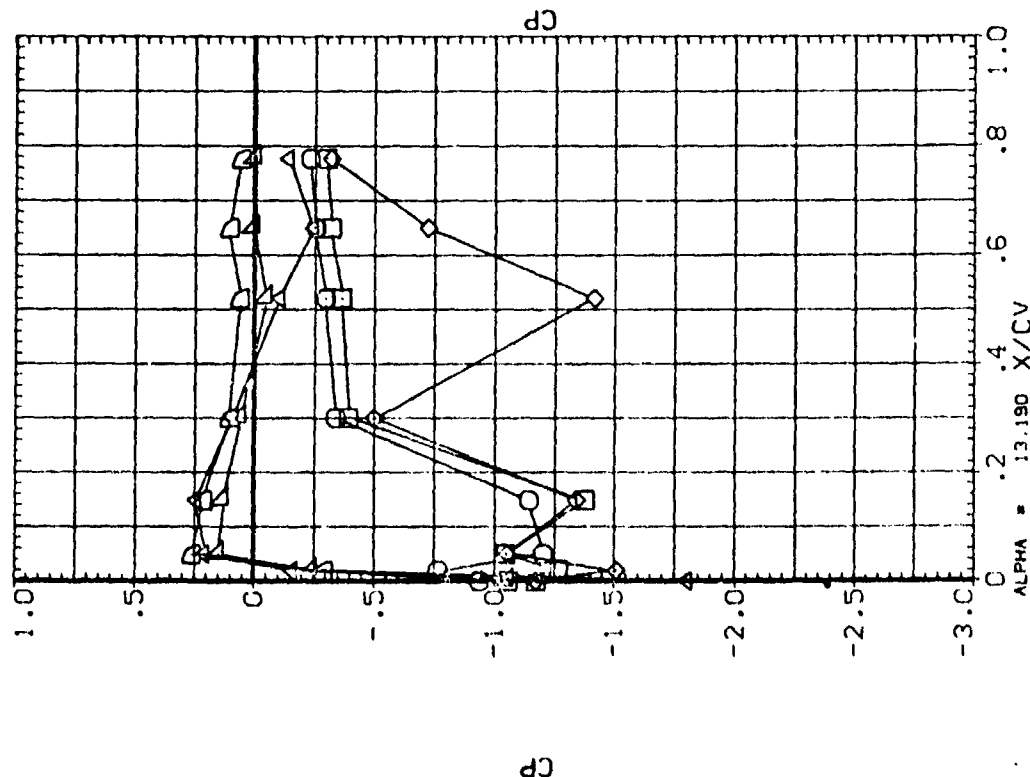


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Z/BV = .316

BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

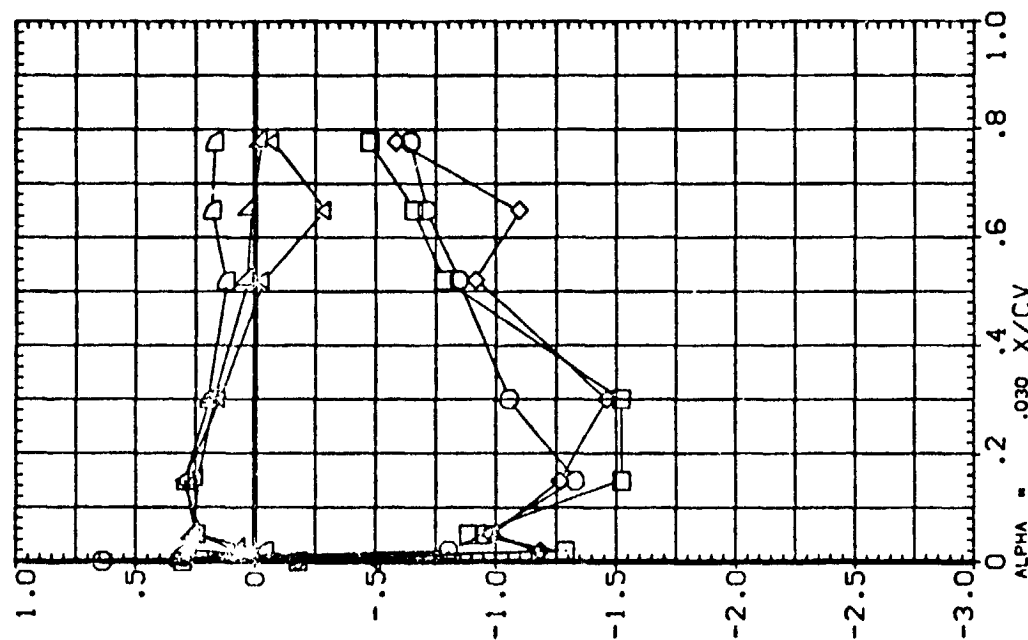
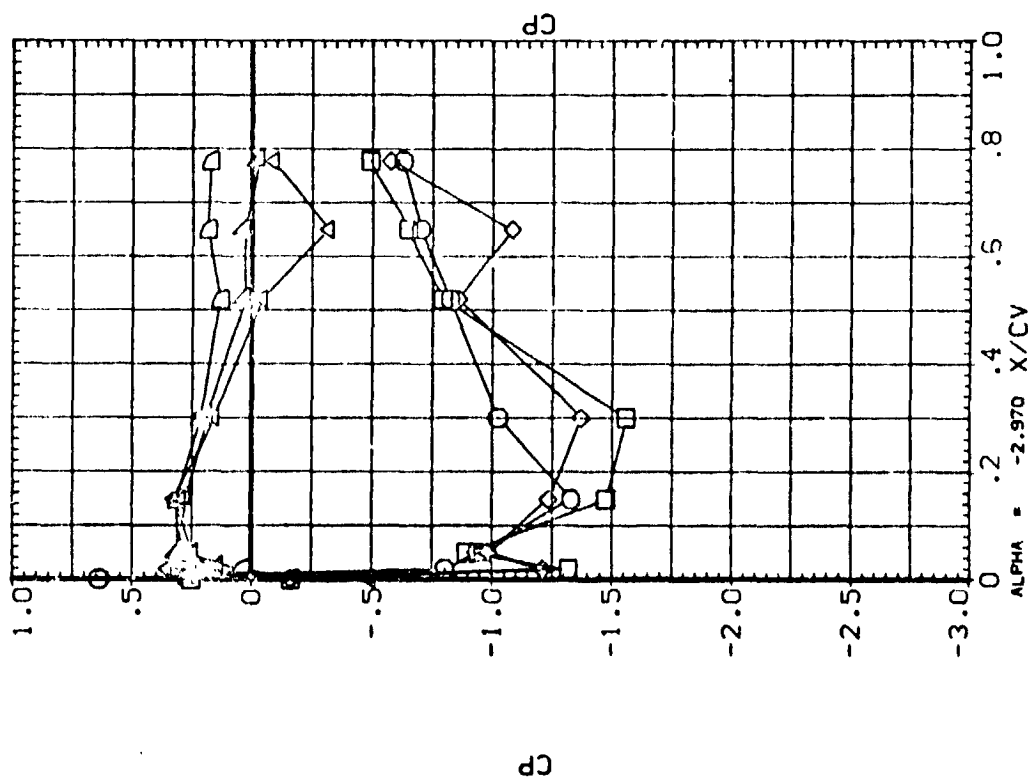


FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = +10$

$$V_{EE-A} = 10.050 \text{ V} \quad Z/BV = .600$$

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BETA	RUDDER	ELEVON
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000
10.000	.000	.000
10.000	-7.500	.000
10.000	-15.000	.000

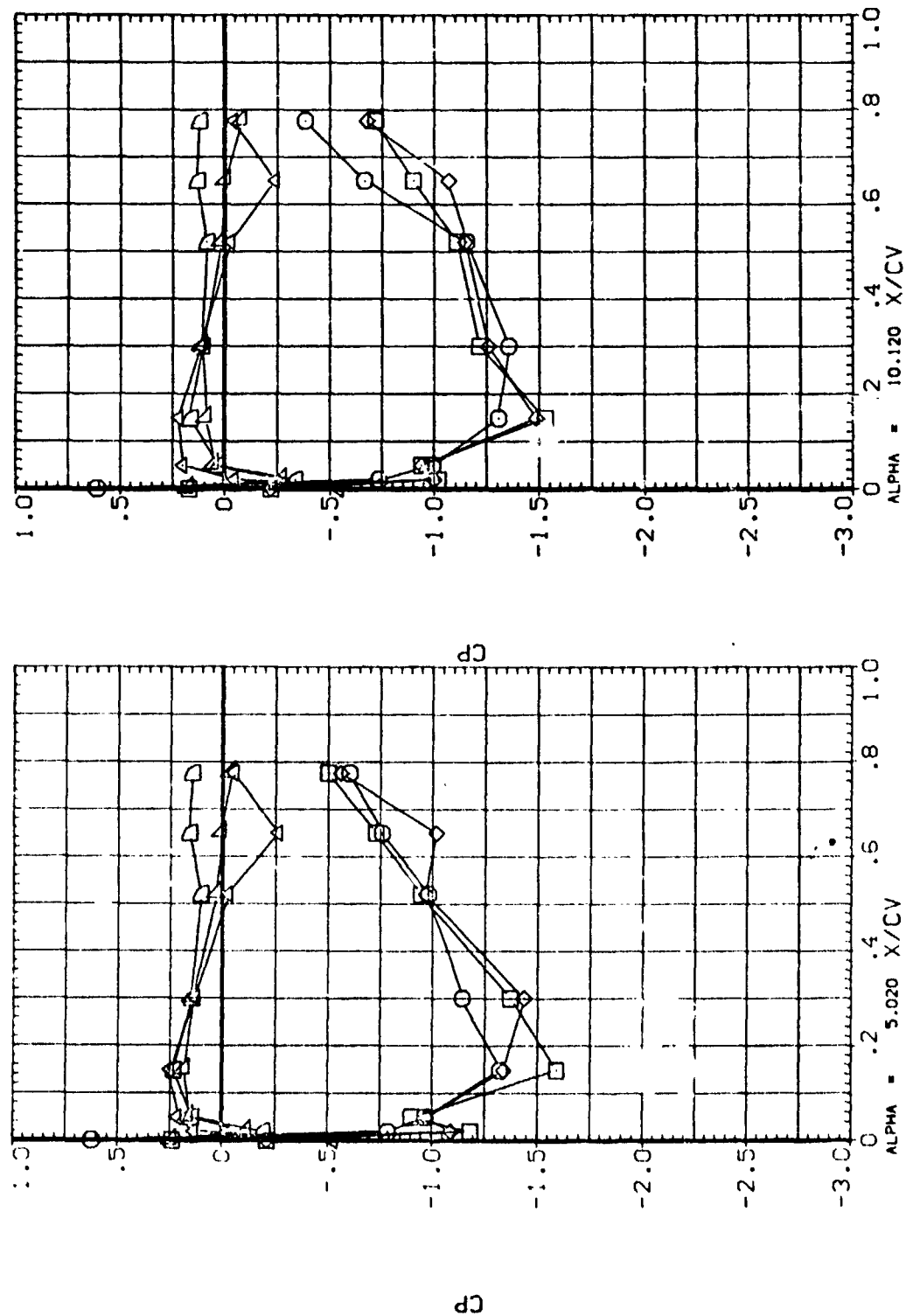


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10$

$\beta = +10$	$Z/BV = .600$	PAGE 410
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DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL
 (R0014) B26030157FB1182261895X9 LEFT VERTICAL

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 10.000 -15.000 .000

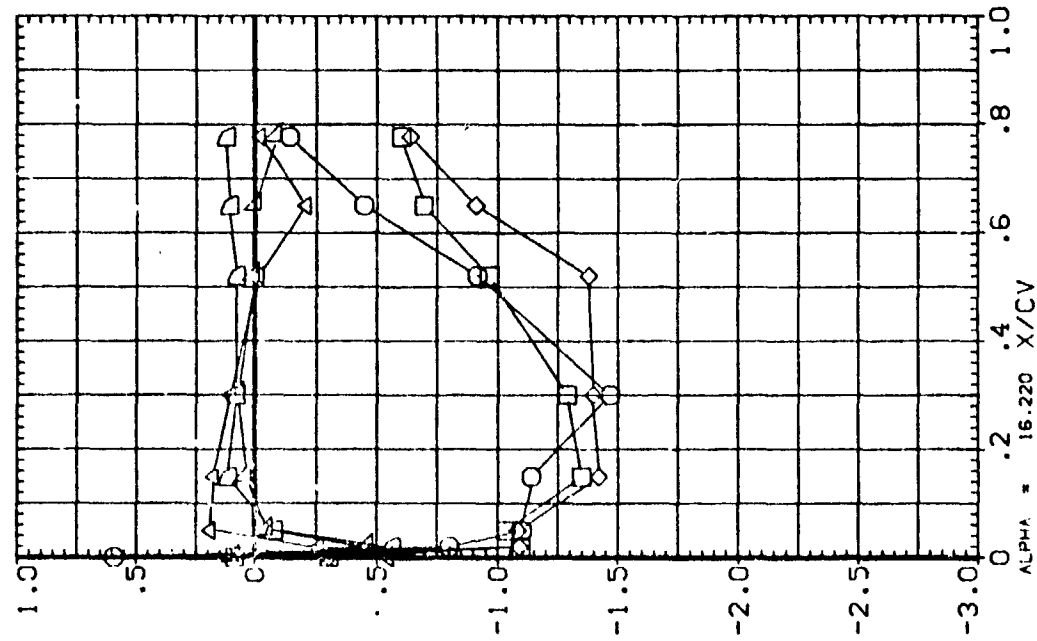
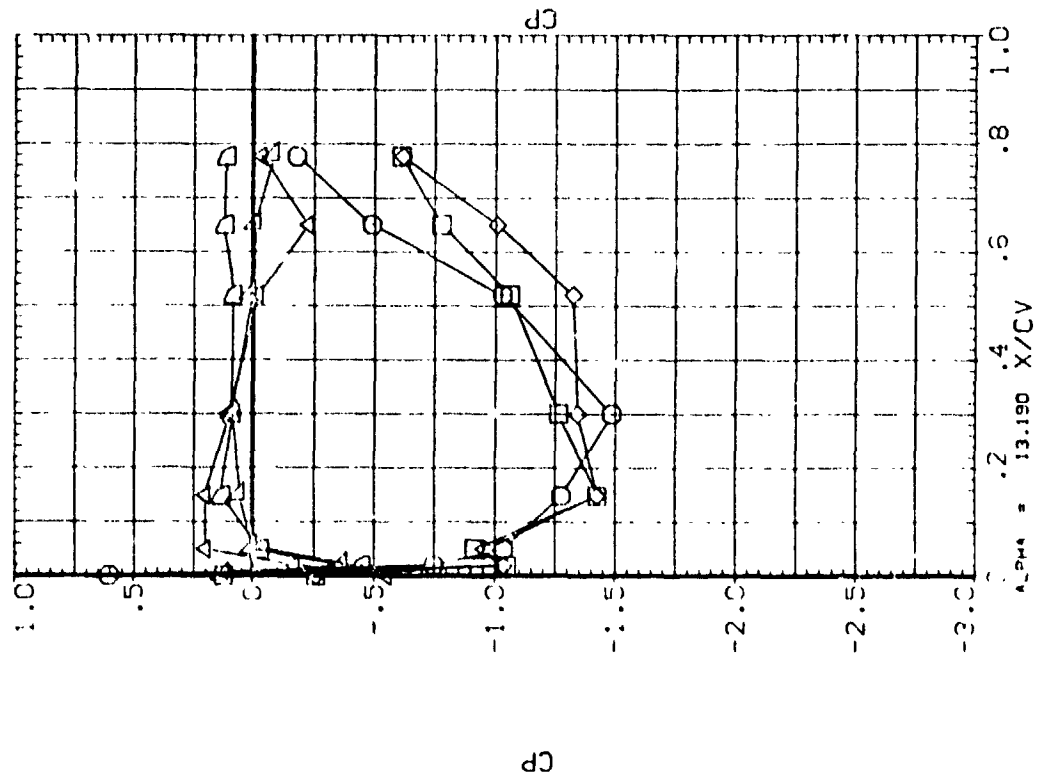


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 BETA = 10.000 Z/B = .600

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
 (B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
 (B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
 (B26C9315M7F8W116E26V8R5X9 LEFT VERTICAL
 (B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL
 (B26C9315M7F8W116E26V8R5X9 RIGHT VERTICAL

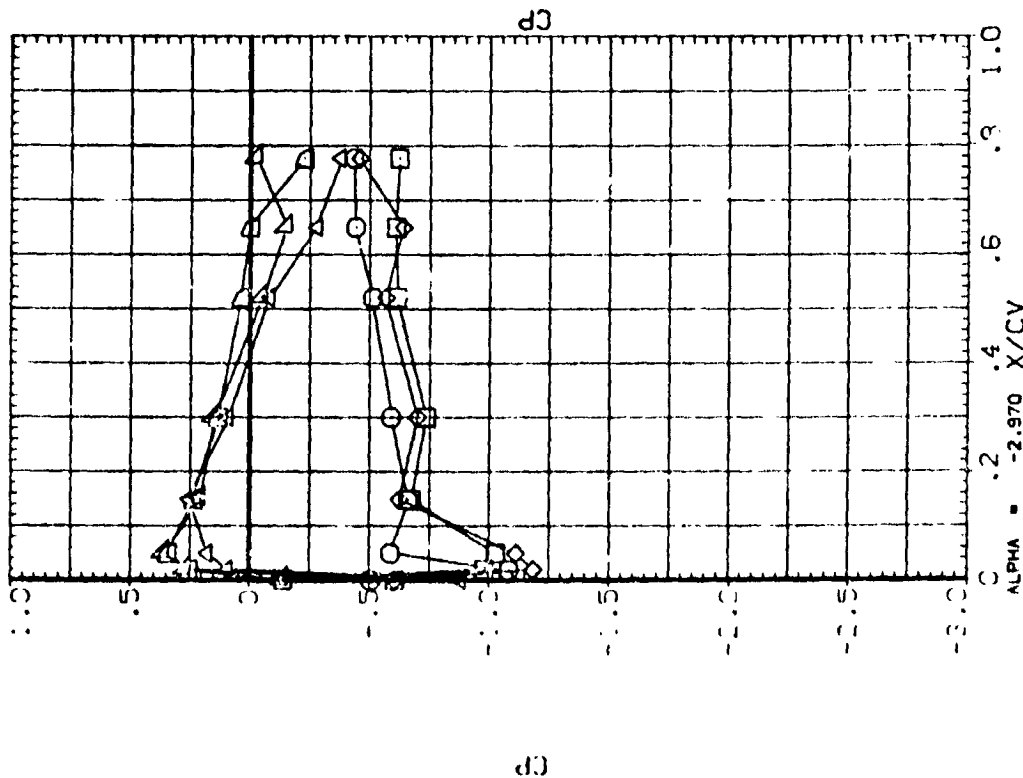


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 ALPHA = -2.970 X/CV = .840

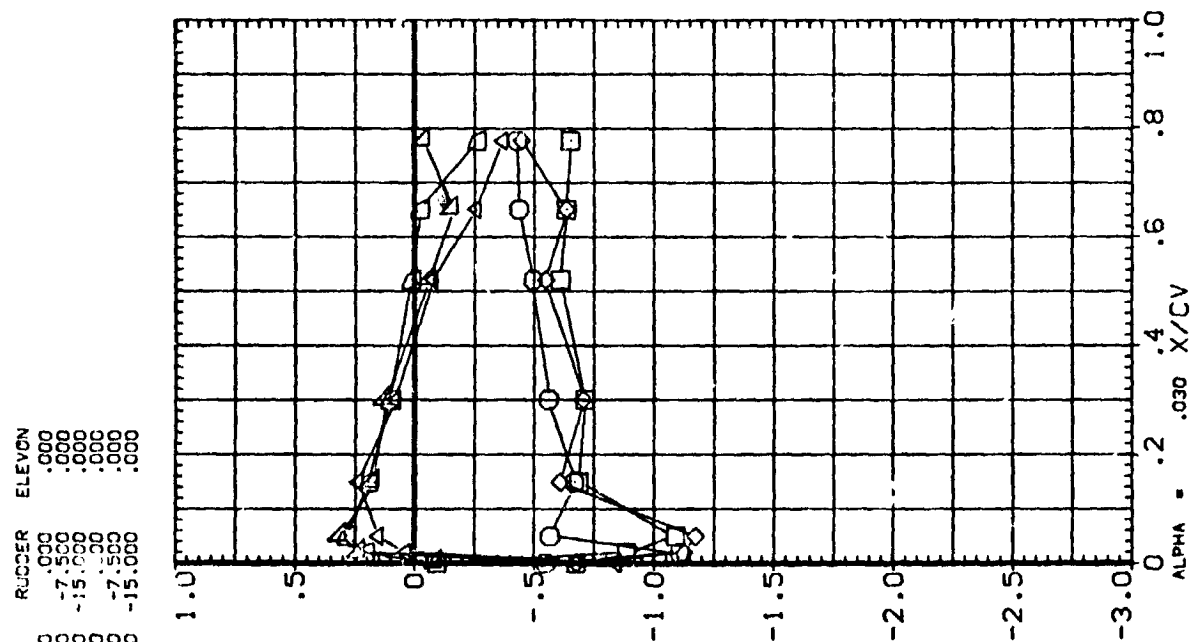


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 ALPHA = -2.970 X/CV = .840

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00V05) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V17) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V14) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00V03) B26C931S47F8V116E26V8R5X9 LEFT VERTICAL
 (R00R17) B26C931S47F8V116E26V8R5X9 RIGHT VERTICAL
 (R00R14) B26C931S47F8V116E26V8R5X9 RIGHT VERTICAL

BETA RUDDER ELEVON
 10.000 .000 .000
 10.000 -7.500 .000
 10.000 -15.000 .000
 -10.000 .000 .000
 -10.000 -7.500 .000
 -10.000 -15.000 .000

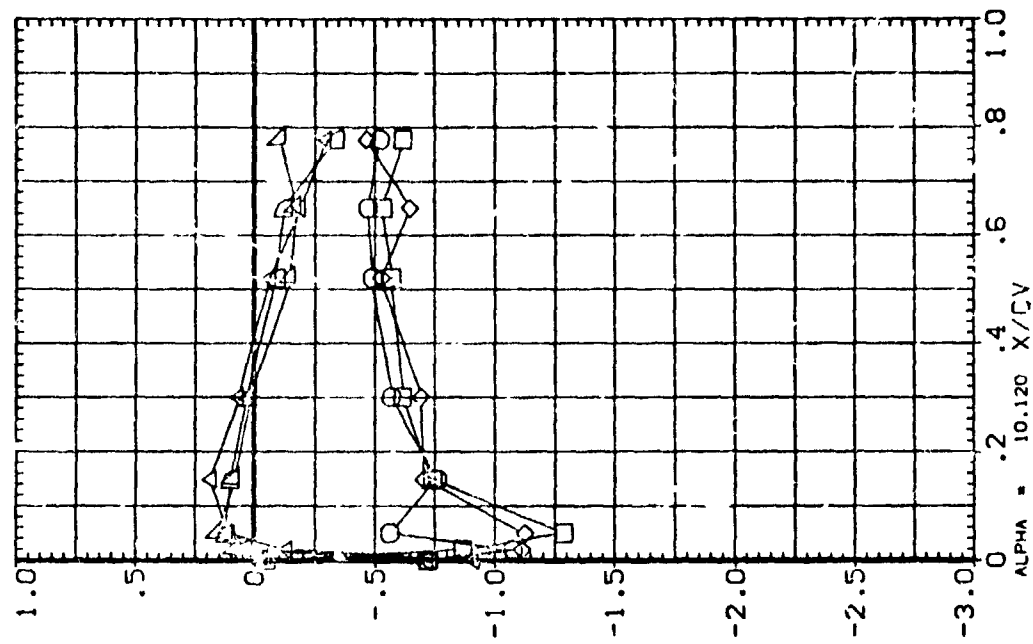
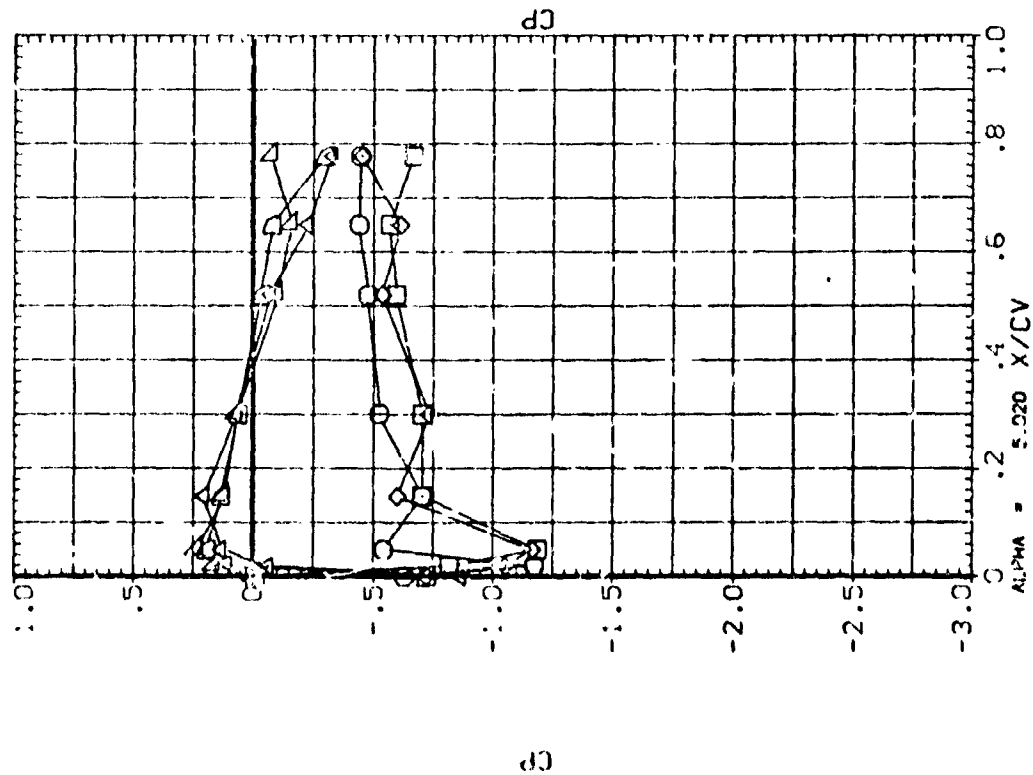


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10
 REEF = 10.050 Z/BV = .840

DATA SET SYMBOL CORRELATION DESCRIPTION
 (000000) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000001) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000002) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000003) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000004) B2603015M78M116E16.85X9 LEFT VERTICAL
 (000005) B2603015M78M116E16.85X9 RIGHT VERTICAL
 (000006) B2603015M78M116E16.85X9 RIGHT VERTICAL

BETA RUDDER ELEVON
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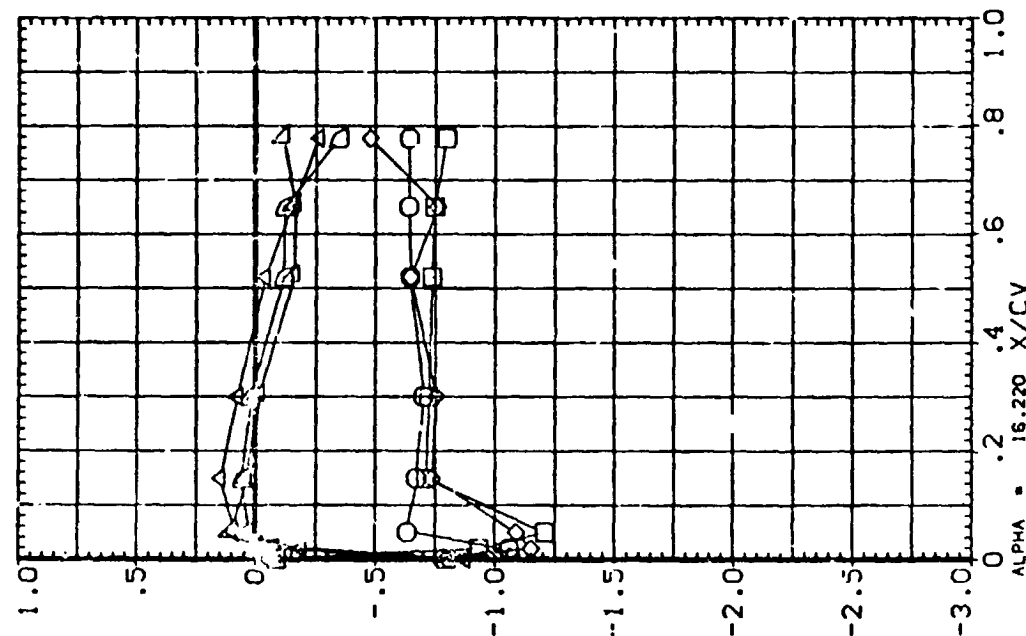
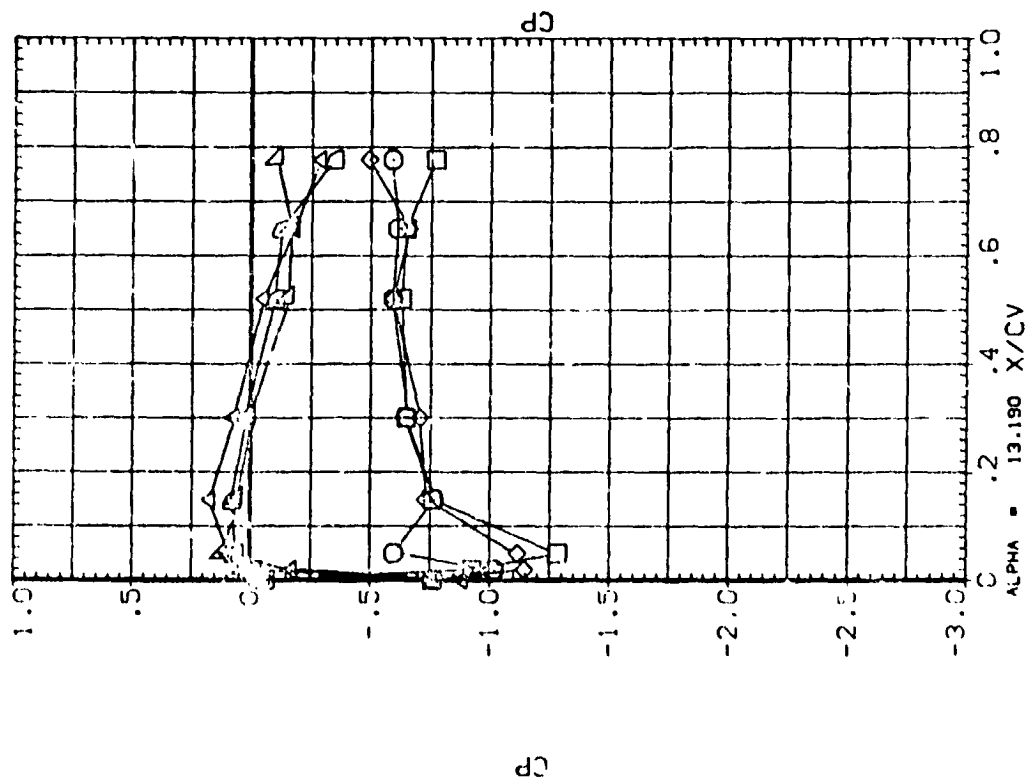
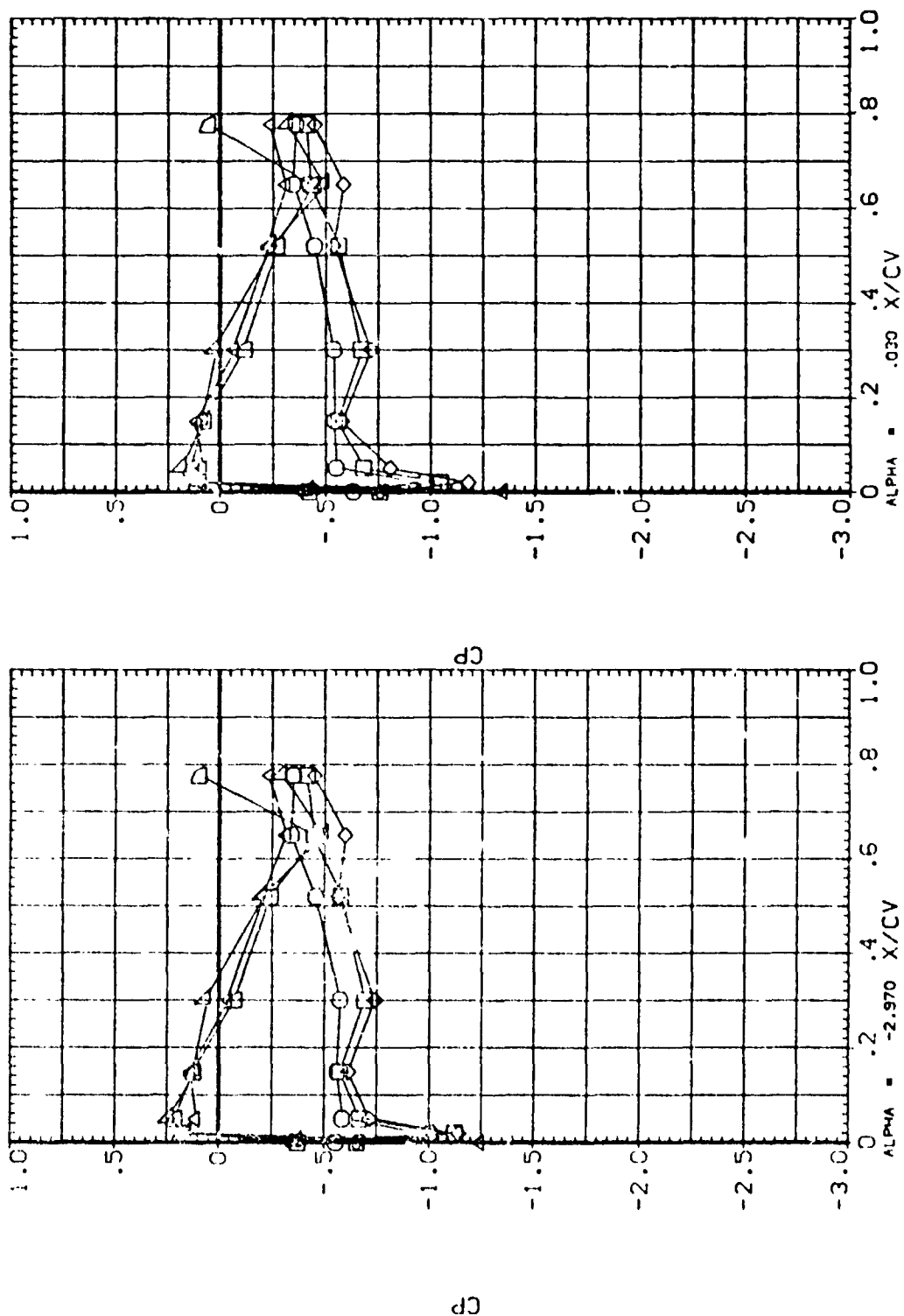


FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, BETA = +10

BETA = 10.050 Z/BV = .840

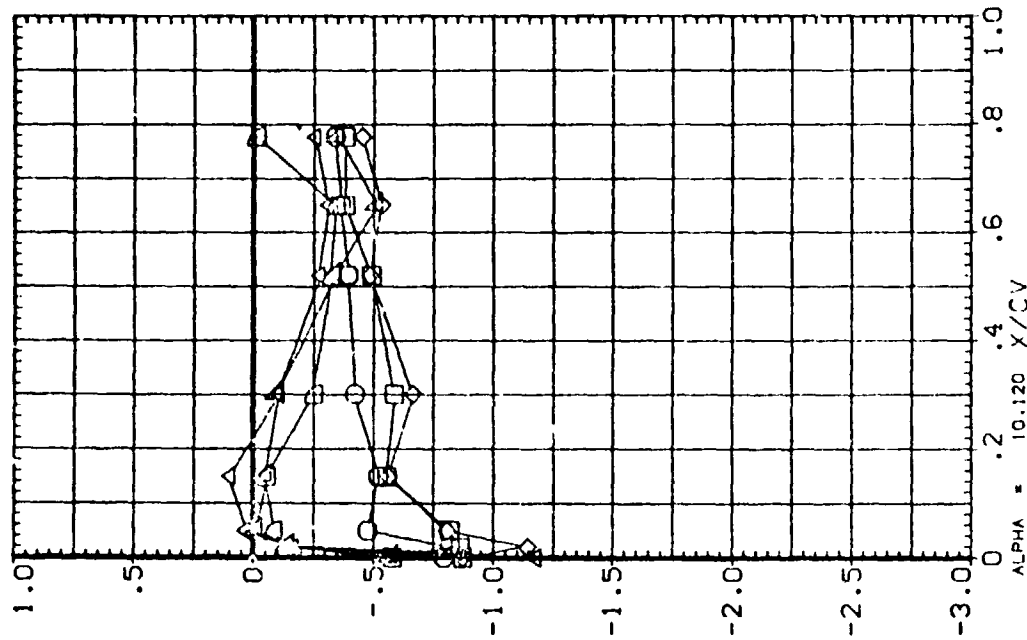
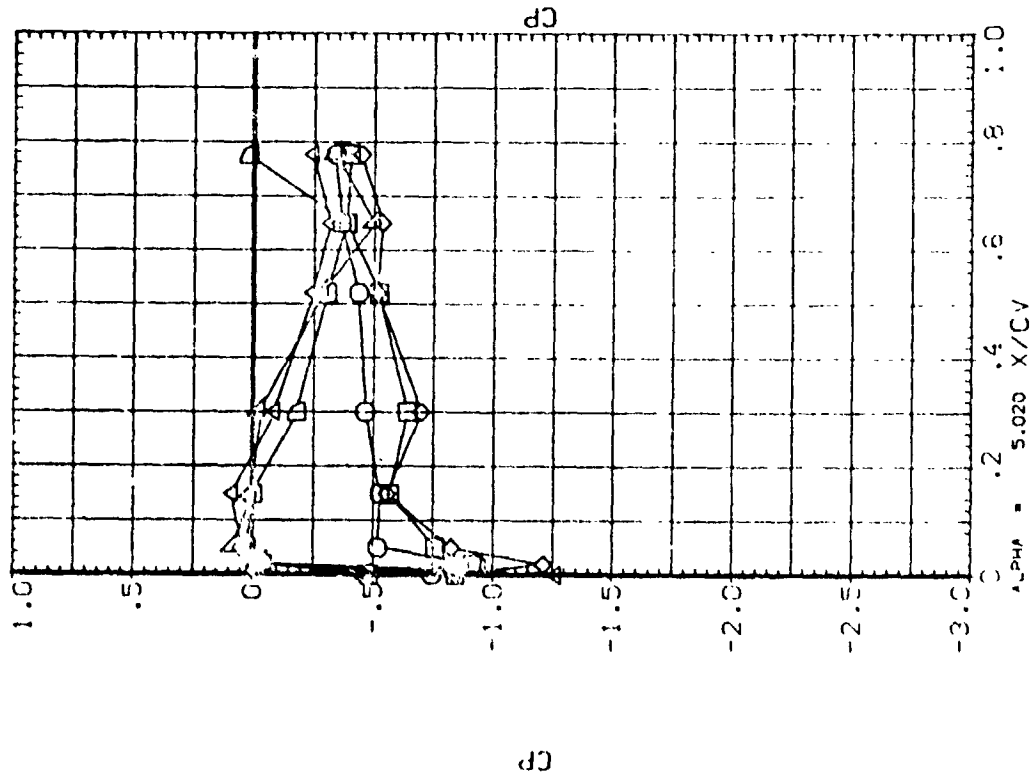
DATA SET SYMBOL	CONFIGURATION DESCRIPTION	BETA	RUDDER	ELEVON
(P00V05)	826330154788116E26V85X3	10.000	.000	.000
(P00V17)	826330154788116E26V85X3	10.000	-7.500	.000
(P00V14)	826330154788116E26V85X3	10.000	-15.000	.000
(P00V03)	826330154788116E26V85X3	10.000	.000	.000
(P00V17)	826330154788116E26V85X3	10.000	-7.500	.000
(P00V14)	826330154788116E26V85X3	10.000	-15.000	.000



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FIG. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION. RUDDER EFFECT, BETA = +10

BEA	PLDGER	ELEV
10.000	0.00	0.00
10.000	-7.500	0.00
10.000	-15.000	0.00
10.000	-7.500	0.00
10.000	-15.000	0.00



F.S. 39 VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $\beta = +10^\circ$

SECTION	x/b	z/b	C_p	$C_{p, \beta}$	$C_{p, \beta} - C_{p, 0}$
1	0.00	0.00	0.00	0.00	0.00
2	0.05	0.00	0.00	0.00	0.00
3	0.10	0.00	0.00	0.00	0.00
4	0.15	0.00	0.00	0.00	0.00
5	0.20	0.00	0.00	0.00	0.00
6	0.25	0.00	0.00	0.00	0.00
7	0.30	0.00	0.00	0.00	0.00
8	0.35	0.00	0.00	0.00	0.00
9	0.40	0.00	0.00	0.00	0.00
10	0.45	0.00	0.00	0.00	0.00
11	0.50	0.00	0.00	0.00	0.00
12	0.55	0.00	0.00	0.00	0.00
13	0.60	0.00	0.00	0.00	0.00
14	0.65	0.00	0.00	0.00	0.00
15	0.70	0.00	0.00	0.00	0.00
16	0.75	0.00	0.00	0.00	0.00
17	0.80	0.00	0.00	0.00	0.00
18	0.85	0.00	0.00	0.00	0.00
19	0.90	0.00	0.00	0.00	0.00
20	0.95	0.00	0.00	0.00	0.00
21	1.00	0.00	0.00	0.00	0.00
22	0.00	0.05	0.00	0.00	0.00
23	0.05	0.05	0.00	0.00	0.00
24	0.10	0.05	0.00	0.00	0.00
25	0.15	0.05	0.00	0.00	0.00
26	0.20	0.05	0.00	0.00	0.00
27	0.25	0.05	0.00	0.00	0.00
28	0.30	0.05	0.00	0.00	0.00
29	0.35	0.05	0.00	0.00	0.00
30	0.40	0.05	0.00	0.00	0.00
31	0.45	0.05	0.00	0.00	0.00
32	0.50	0.05	0.00	0.00	0.00
33	0.55	0.05	0.00	0.00	0.00
34	0.60	0.05	0.00	0.00	0.00
35	0.65	0.05	0.00	0.00	0.00
36	0.70	0.05	0.00	0.00	0.00
37	0.75	0.05	0.00	0.00	0.00
38	0.80	0.05	0.00	0.00	0.00
39	0.85	0.05	0.00	0.00	0.00
40	0.90	0.05	0.00	0.00	0.00
41	0.95	0.05	0.00	0.00	0.00
42	1.00	0.05	0.00	0.00	0.00
43	0.00	0.10	0.00	0.00	0.00
44	0.05	0.10	0.00	0.00	0.00
45	0.10	0.10	0.00	0.00	0.00
46	0.15	0.10	0.00	0.00	0.00
47	0.20	0.10	0.00	0.00	0.00
48	0.25	0.10	0.00	0.00	0.00
49	0.30	0.10	0.00	0.00	0.00
50	0.35	0.10	0.00	0.00	0.00
51	0.40	0.10	0.00	0.00	0.00
52	0.45	0.10	0.00	0.00	0.00
53	0.50	0.10	0.00	0.00	0.00
54	0.55	0.10	0.00	0.00	0.00
55	0.60	0.10	0.00	0.00	0.00
56	0.65	0.10	0.00	0.00	0.00
57	0.70	0.10	0.00	0.00	0.00
58	0.75	0.10	0.00	0.00	0.00
59	0.80	0.10	0.00	0.00	0.00
60	0.85	0.10	0.00	0.00	0.00
61	0.90	0.10	0.00	0.00	0.00

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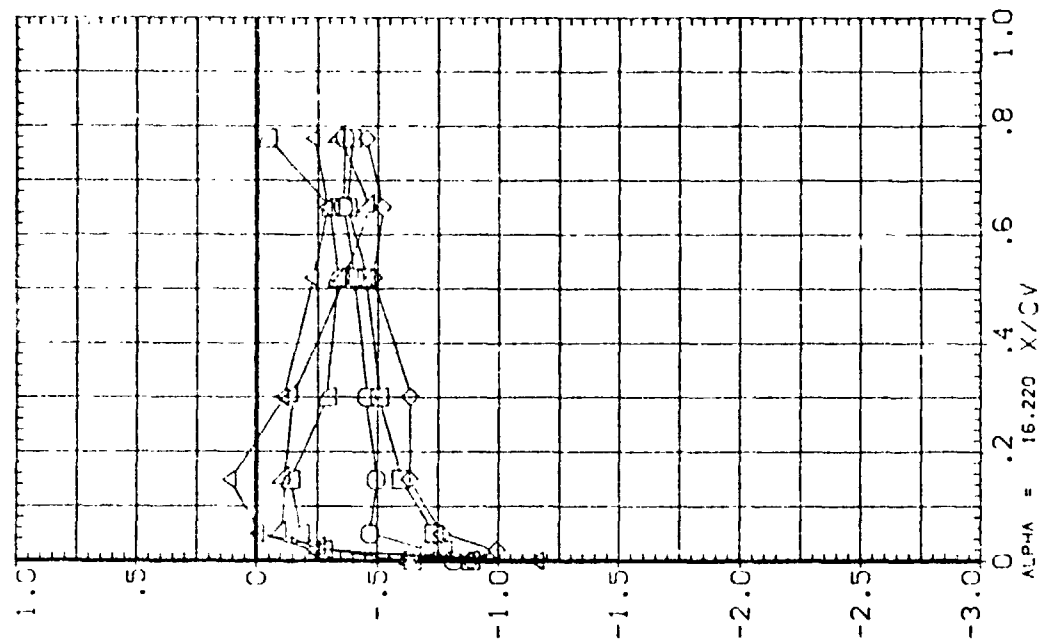
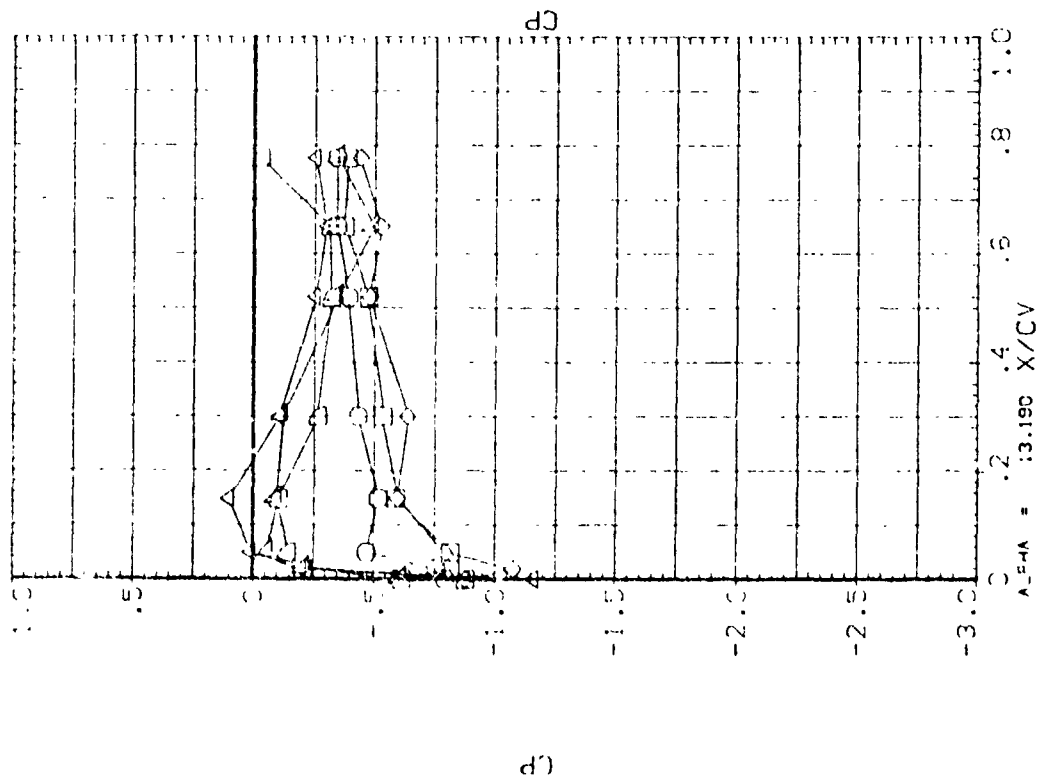


FIG. 39. VERT. TAIL CHORDWISE PRESSURE DISTRIBUTION, RUDDER EFFECT, $BETA = +10$

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Sym	Symbol	Z/HG	Alpha	Beta	Elevon	BDFlap	PARAMETRIC VALUES
○		.250	-2.380	-10.060	.000		PUDDER
□		.500	.020		-14.250	BETA	-10.000
◇		.750					

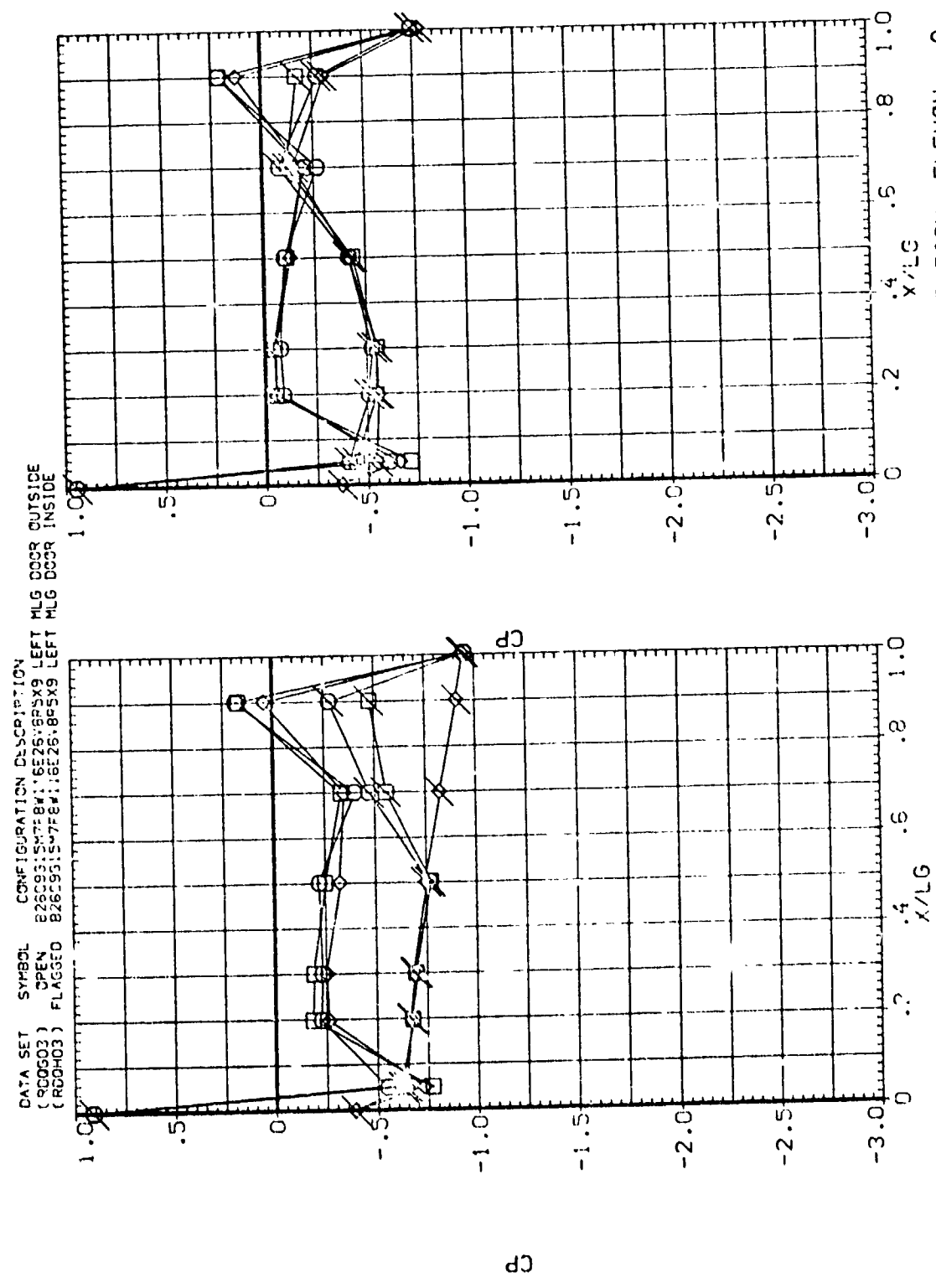


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/LG ALPHA BETA
 .250 5.000 -10.000
 .500 10.000
 .750
 PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BOELAP -14.250 BETA -10.000

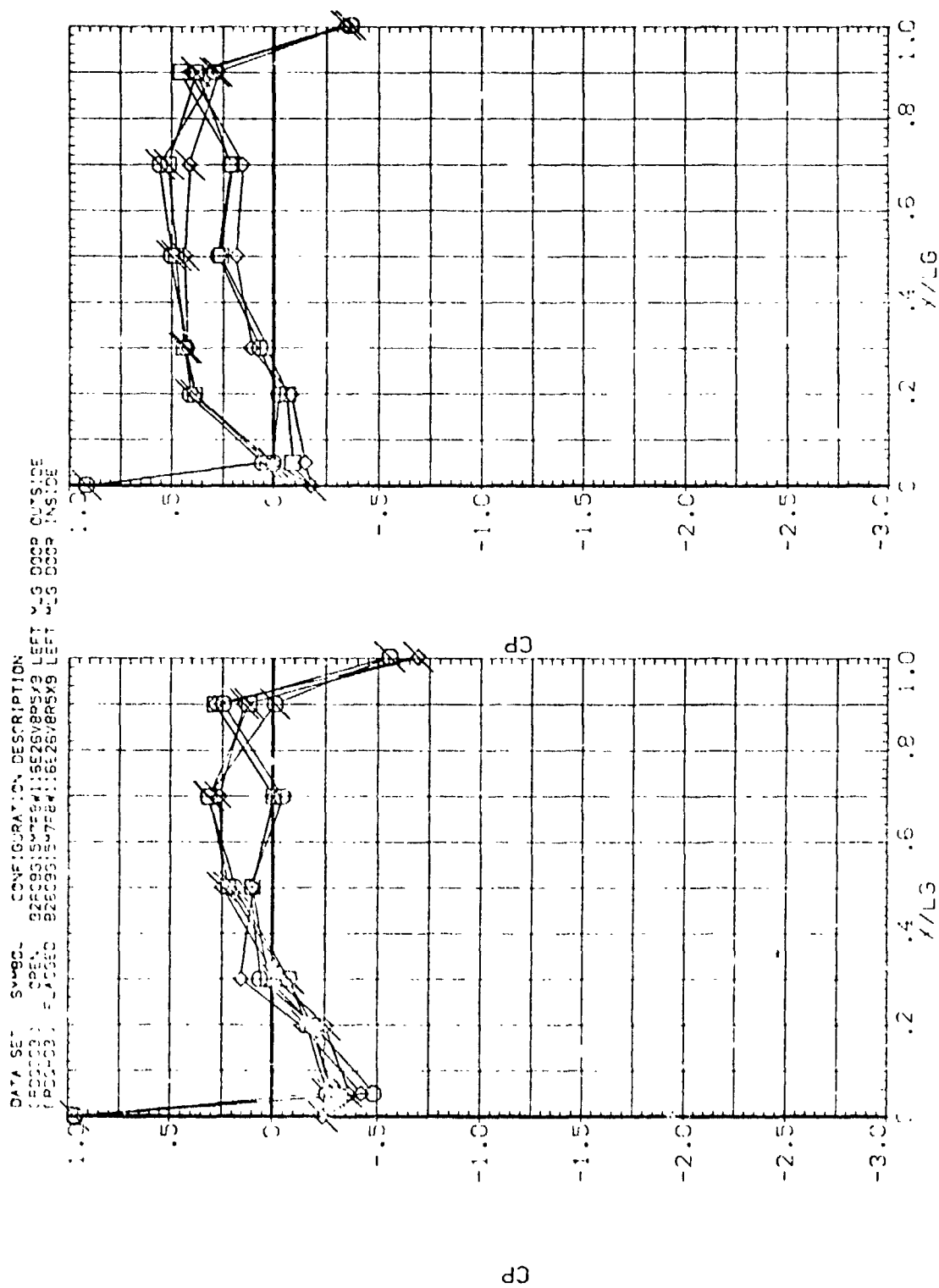


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA SE" A
 .250 13.190 -10.060
 .500 16.240
 .750

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA -10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R02003) OPEN B28001:5E26Y8P5Y9 LEFT MLG DOOR OUTSIDE
 (R02003) FLAGGED B28130:5-7F8W1:6E26Y8P5Y9 LEFT MLG DOOR INSIDE

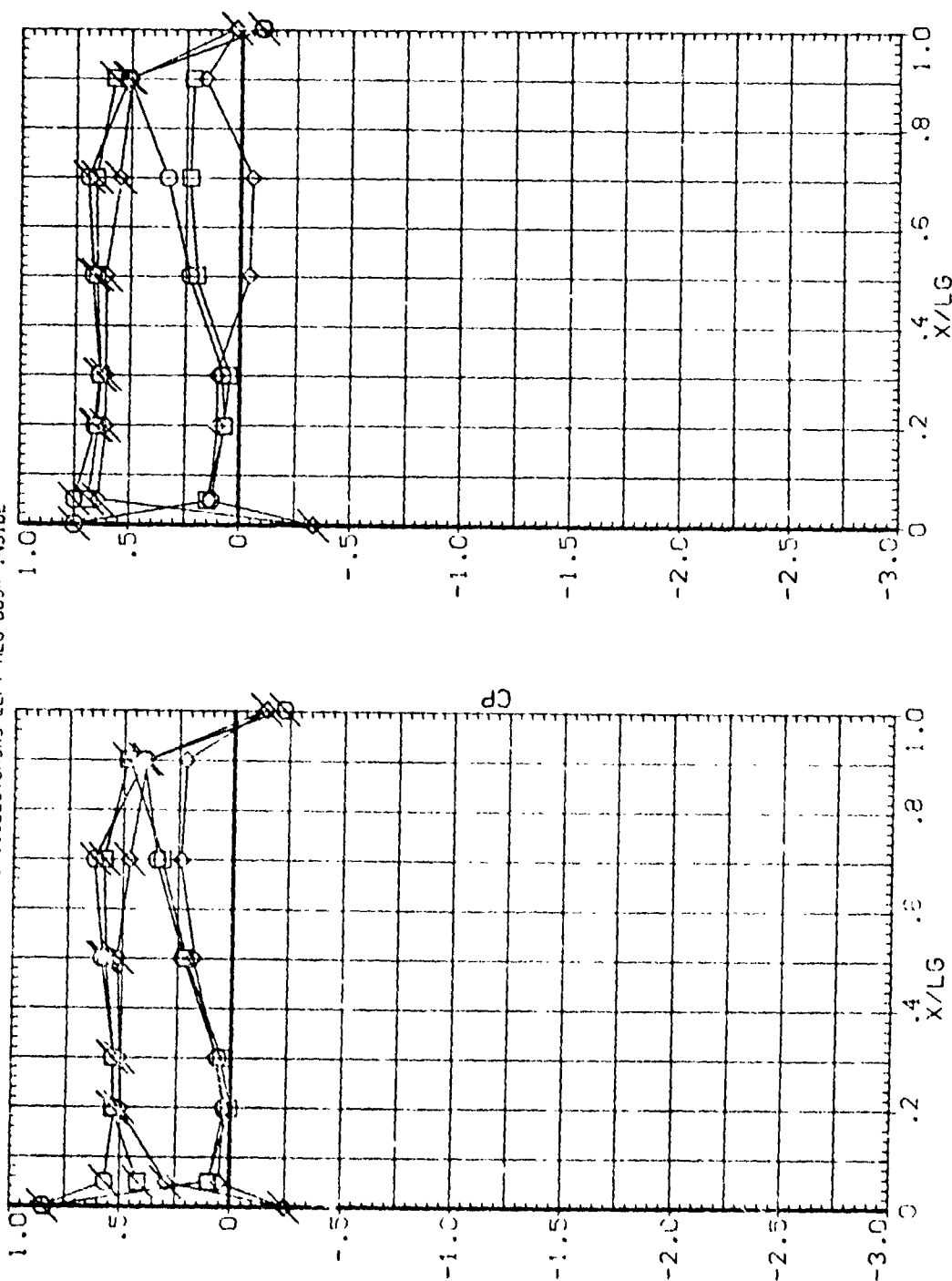


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA BET
 .25C -2.950 -.01C
 .300 .050
 .750

PARAMETRIC VALUES
 ELEVON .000 PUDDER .000
 BOFLAP -14.25C BETA

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (P00G04) OPEN B26C90:547F84:16E26:8P5X9 LEFT MLG DOOR OUTSIDE
 (P00H04) FLAGGED B26C90:547F84:16E26:8P5X9 LEFT MLG DOOR INSIDE

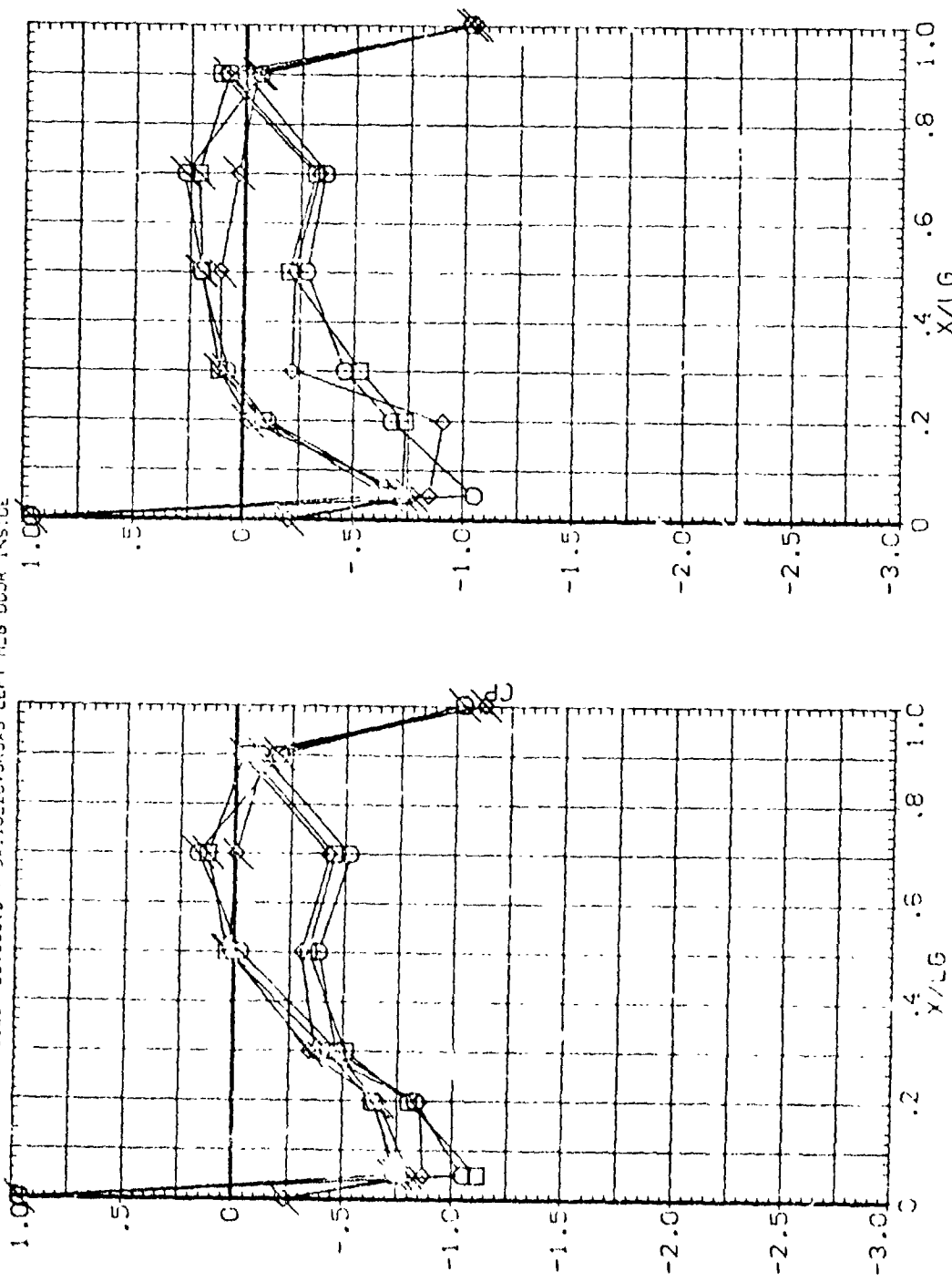


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
○	.250	5.030	-.010	.000	.000
□	.500	10.100		.000	.000
◇	.750				

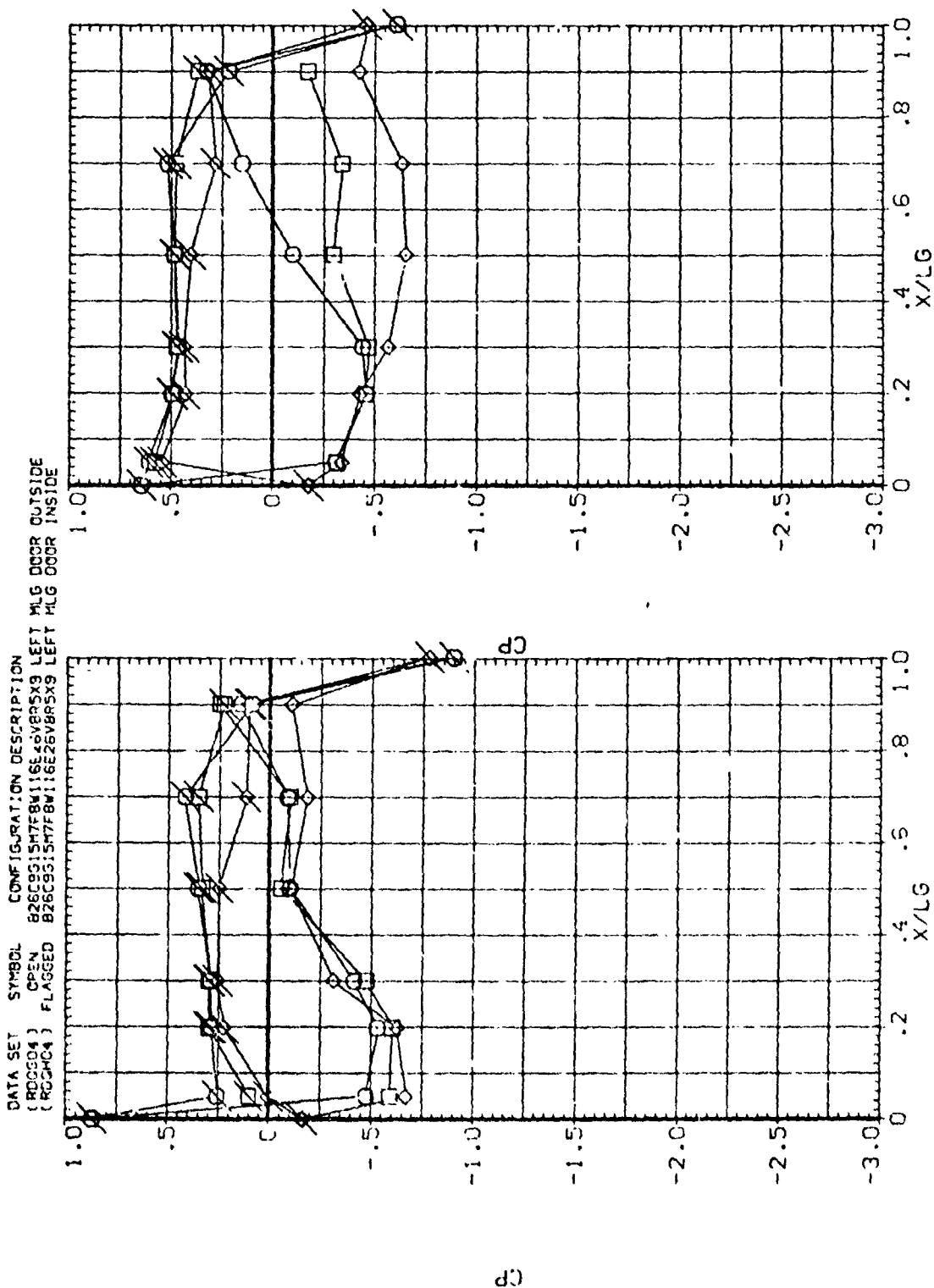


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA BETA

◇ .250 13.220 -1.010

◇ .500 16.240

◇ .750

PARAMETRIC VALUES

ELEVON .000 RUDDER .000

BDFLAE -14.250 BETA .000

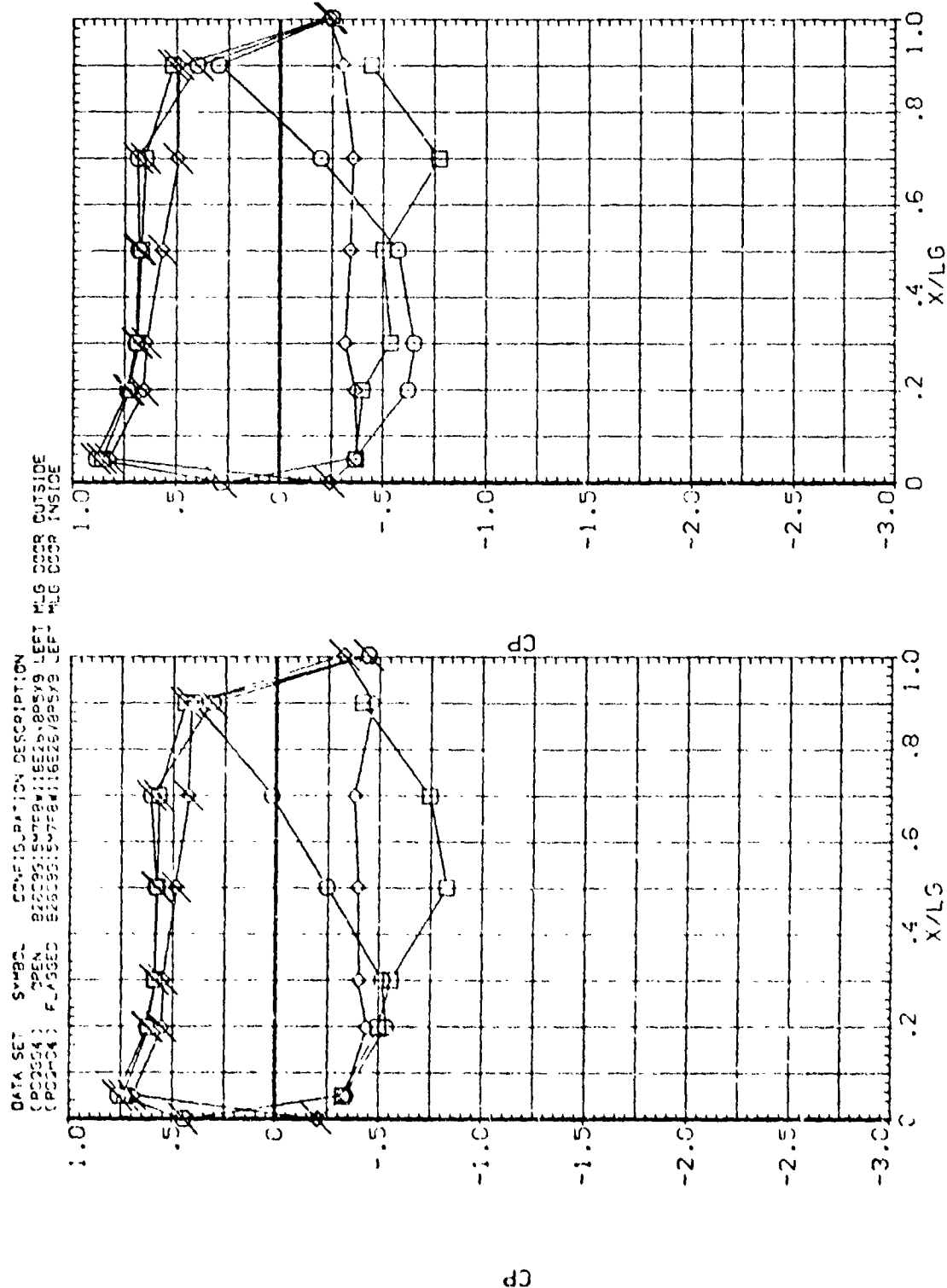


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
□	.250	-2.970	10.030	BOFLAP	.000 RUDLER .000
◇	.500	.030			-14.250 PETA 10.000
◇	.750				

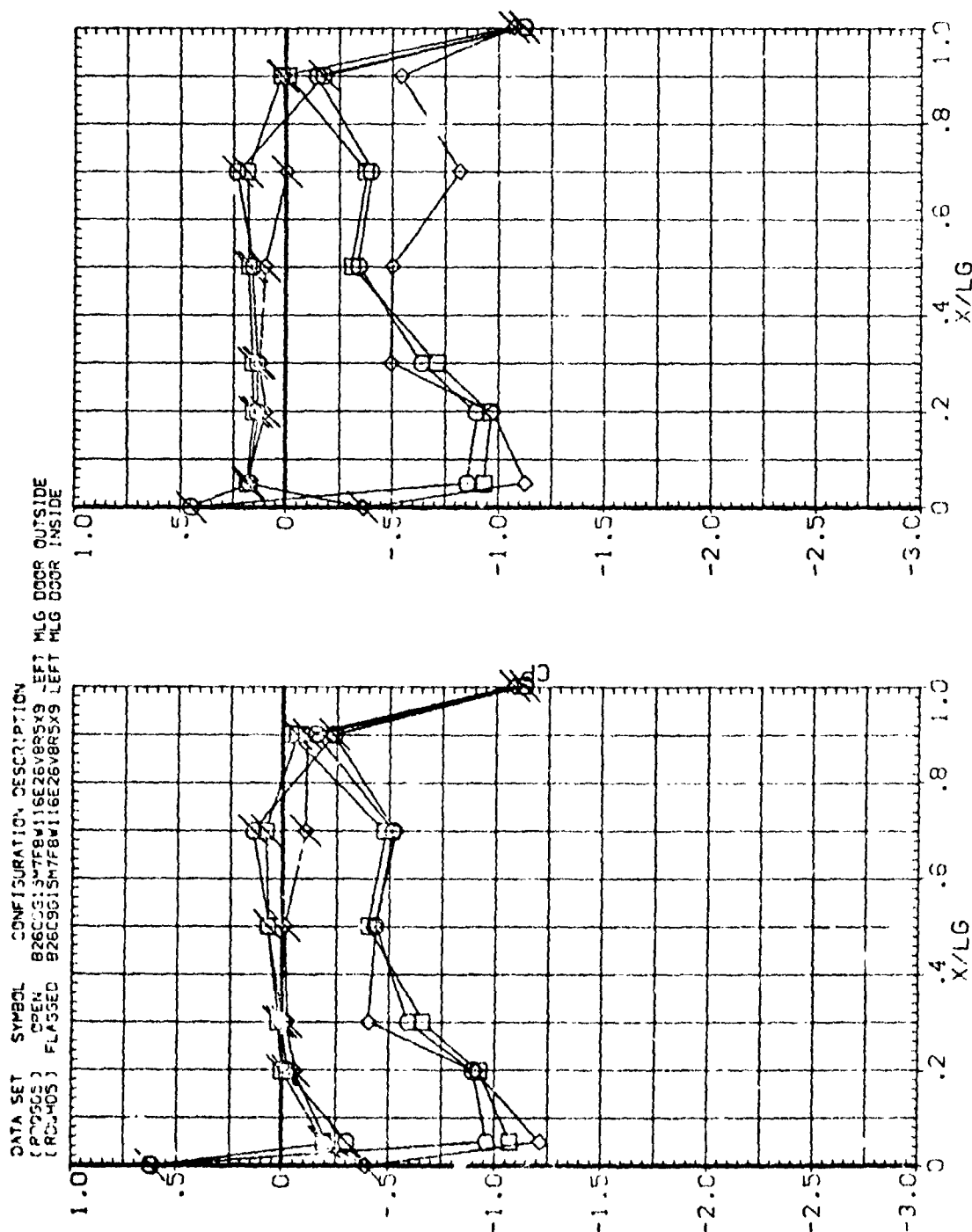


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

PARAMETRIC VALUES

ELEVON	.000	PUDDER	.000
BDFLAP	-14.250	BETA	10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION

SYMBOL	SYMBOL	DESCRIPTION
10.020	10.050	BETA
10.120	10.150	BETA

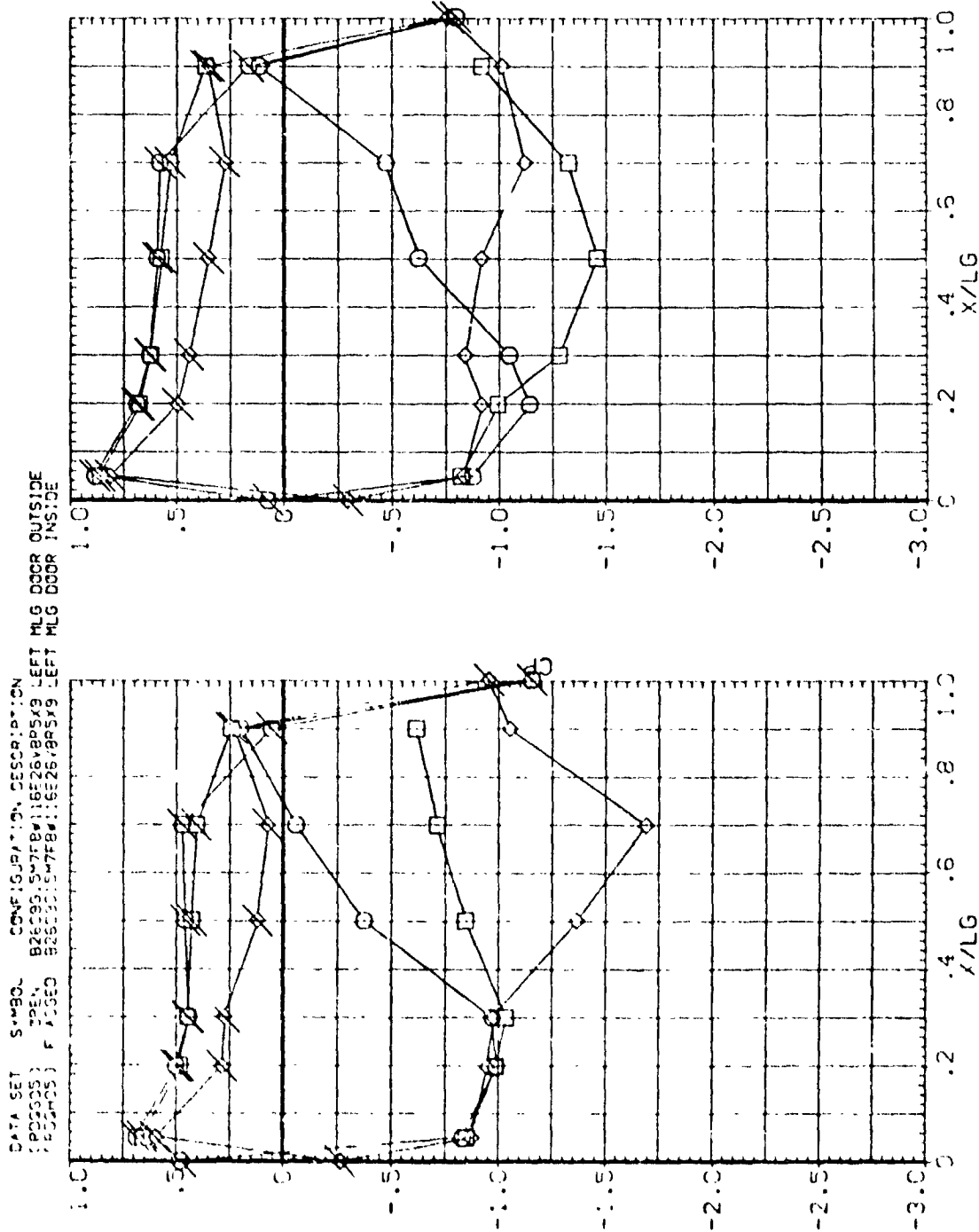


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/LG ALPHA BETA
 .250 13.190 10.050
 .500 16.220
 .750

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R0305) OPEN 826C9G15M7F8W116E26V85X9 LEFT MLG DOOR OUTSIDE
 (R0305) FLAGGED 826C9G15M7F8W116E26V85X3 LEFT MLG DOOR INSIDE

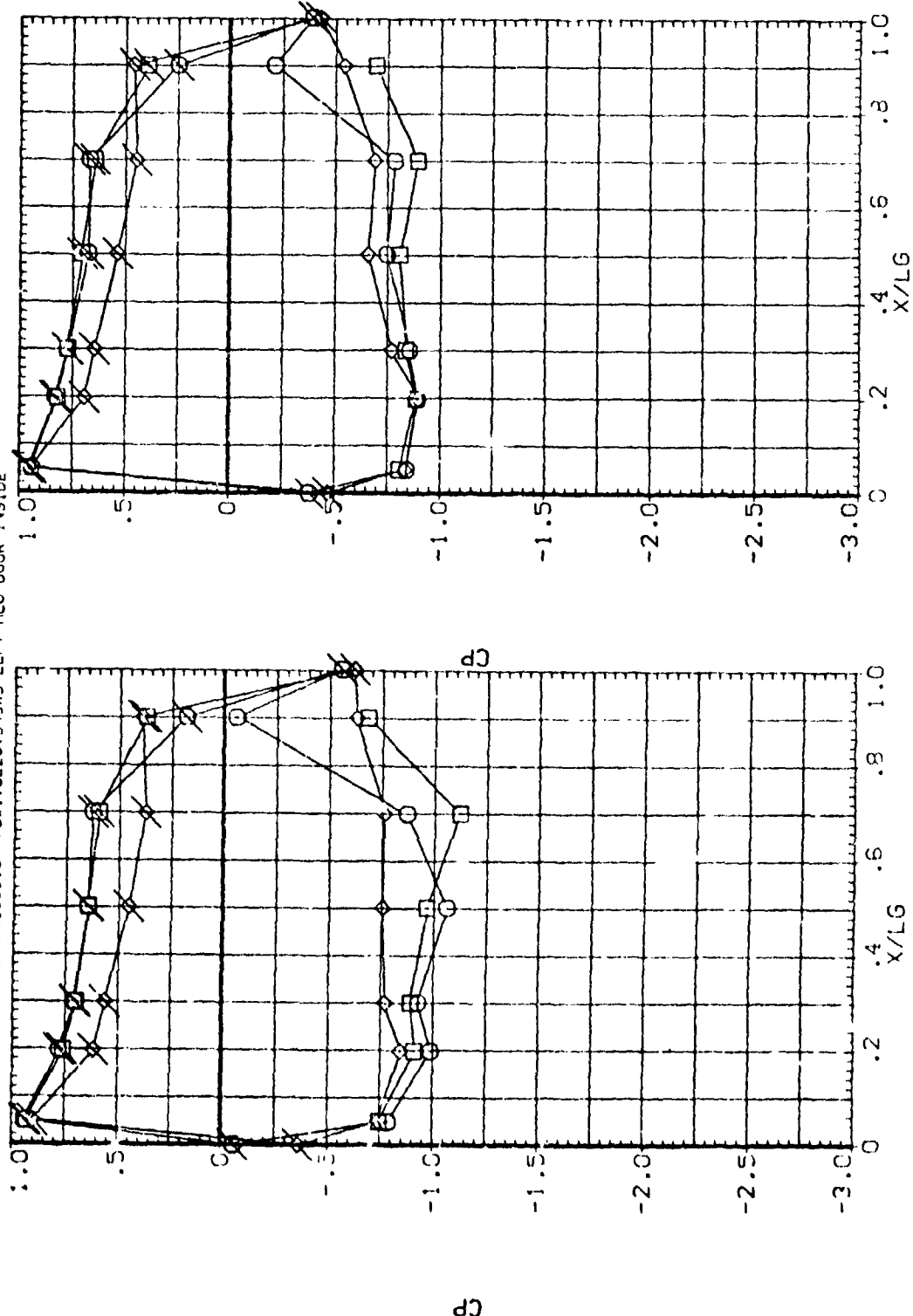


FIG. 40 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

DATA SET	SYMBOL	CONFIGURATION DESCRIPTION	PARAMETRIC VALUES
(P0036)	OPEN	B26C93:5*7F8V116E26V8R5X9 LEFT MLG DOOR OUTSIDE	ELEVON -20.000 RUDDER .000
(P0046)	FLAGGED	B26C93:5*7F8V116E26V8R5X9 LEFT MLG DOOR INSIDE	BDFLAP -14.250 BETA -10.000

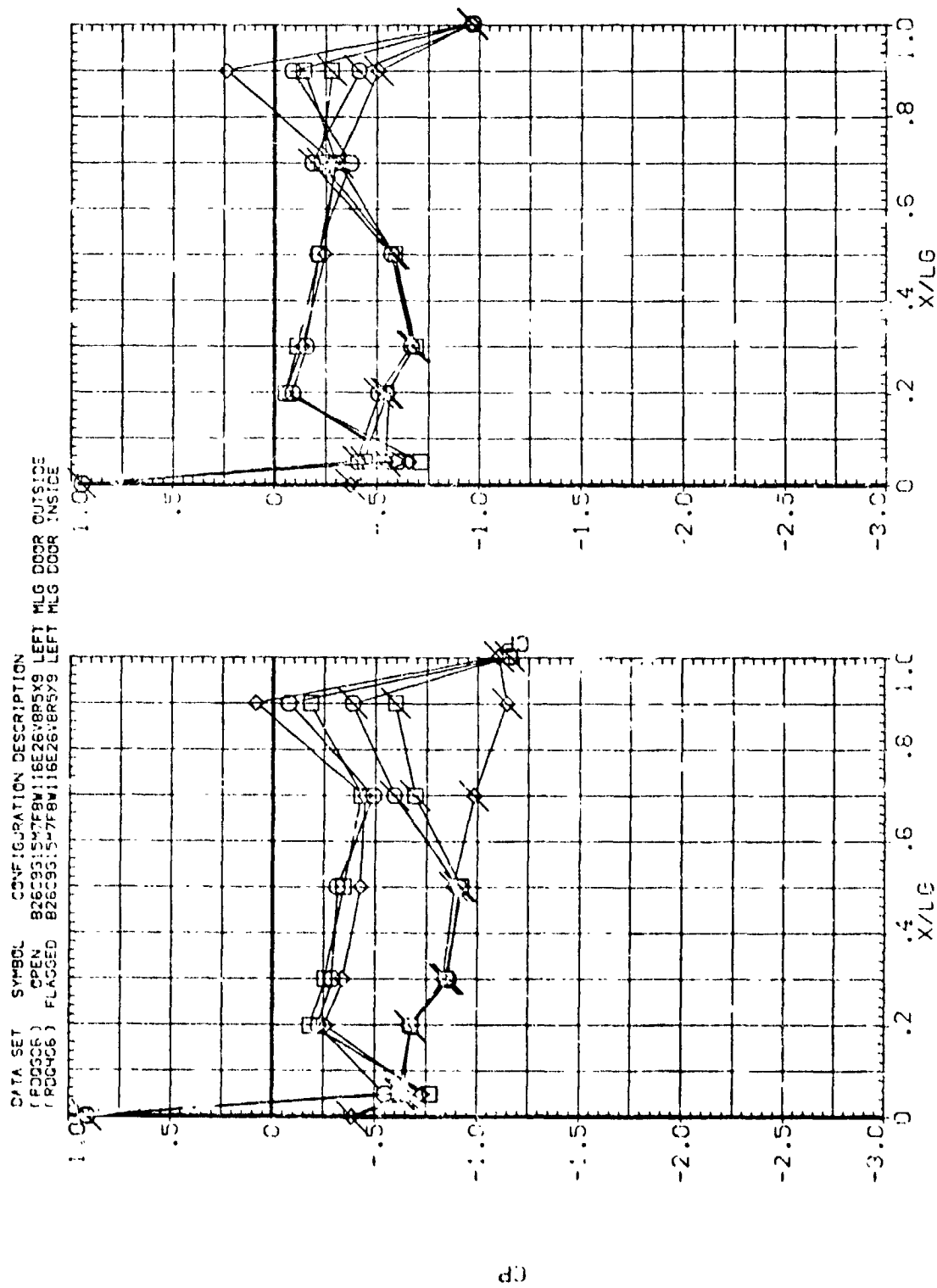


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL Z/LG ALPHA BETA
 ○ .250 5.020 -10.060
 □ .500 10.090
 ◇ .750

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (RODGCS) OPEN B26C9G15M7F8V116E26V8RSX9 LEFT MLG DOOR OUTSIDE
 (RODGCS) FLAGGED B26C9G15M7F8V116E26V8RSX9 LEFT MLG DOOR INSIDE

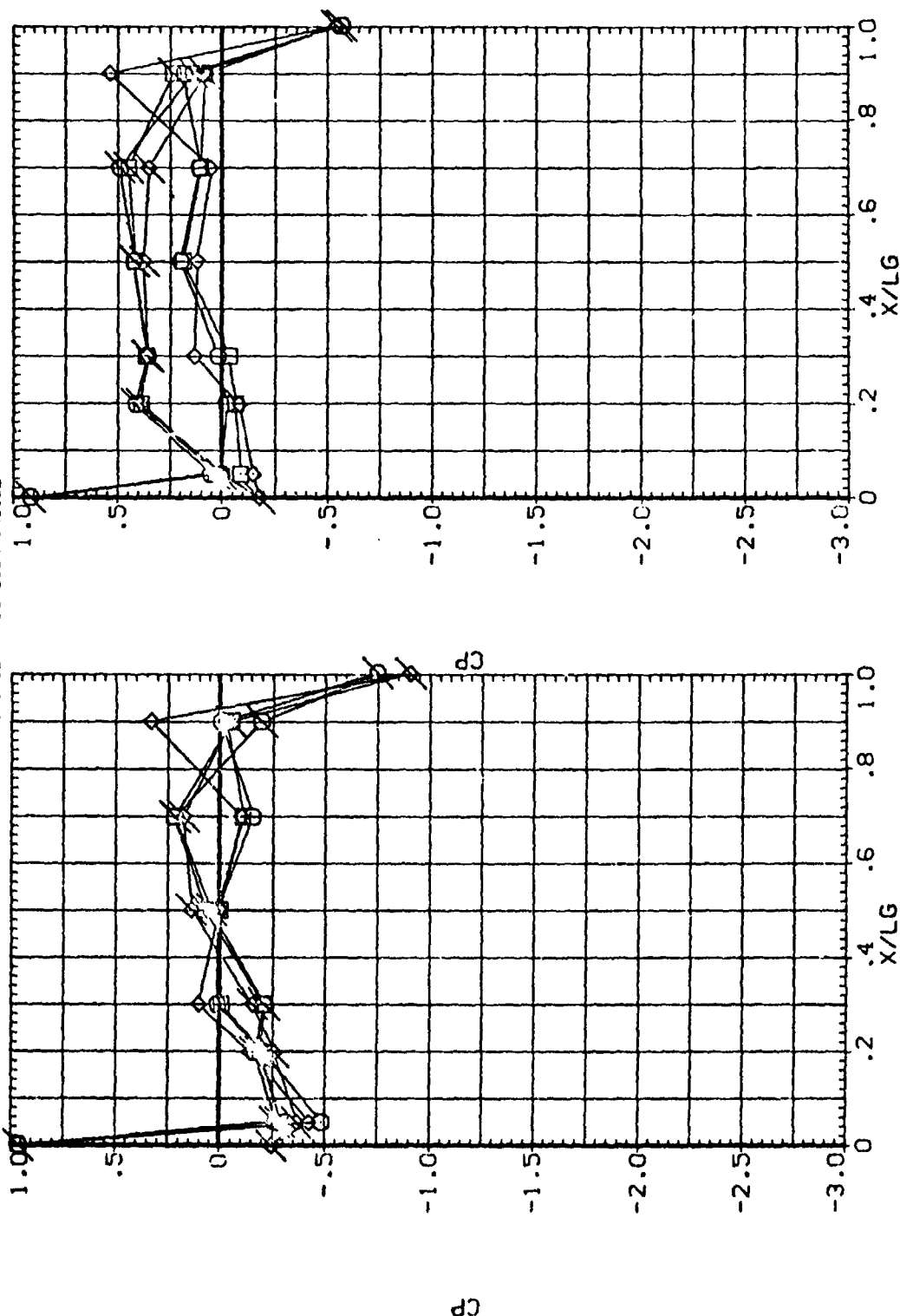


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	13.190	-10.060	ELEVON	-20.000
□	.500	16.220		RUDDER	.000
◇	.750			BETA	-10.000

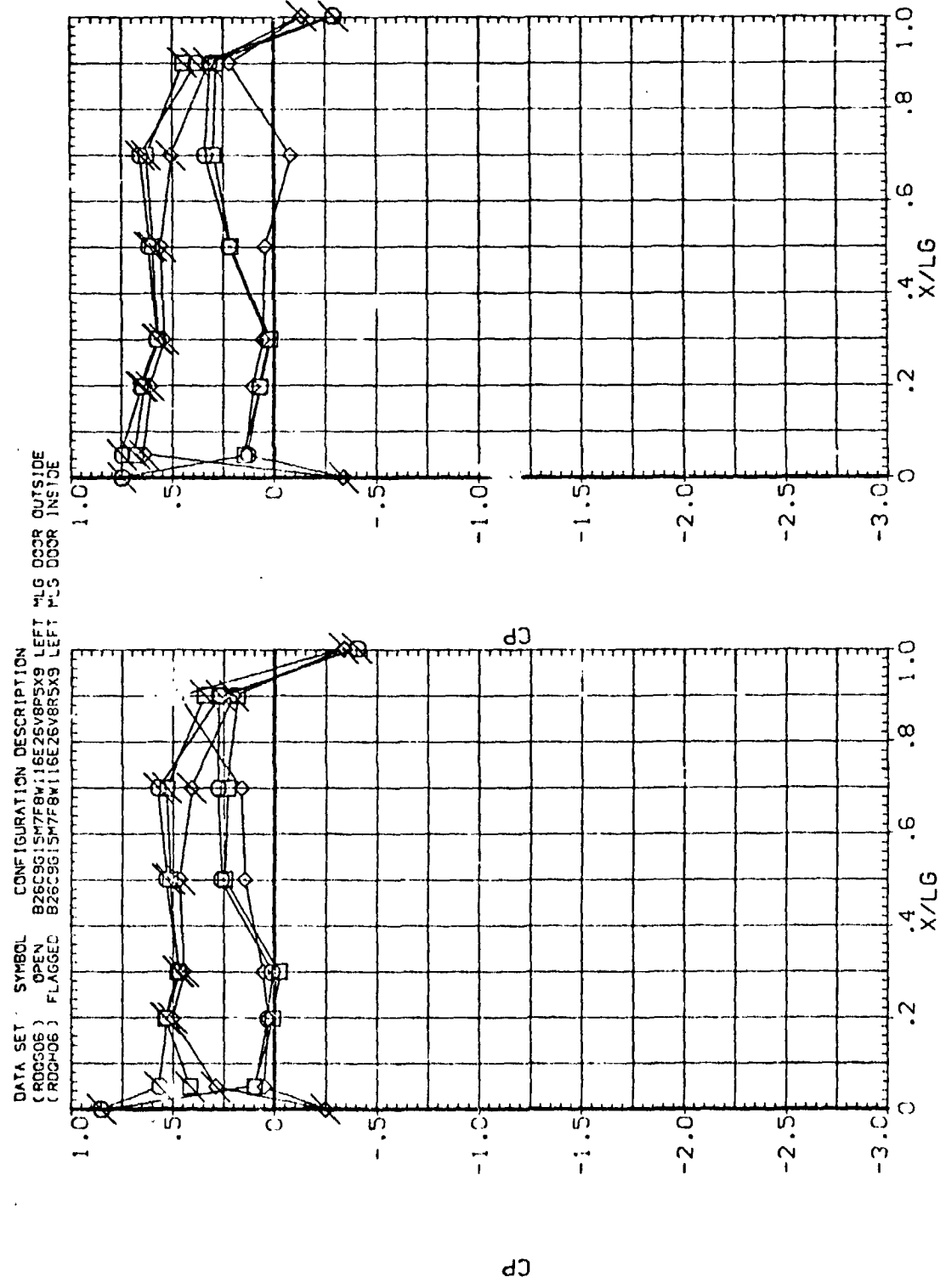


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	-2.950	-.010	ELEVON	-20.000
□	.500	.050		BDFLAP	-14.250
◇	.750			BETA	.000

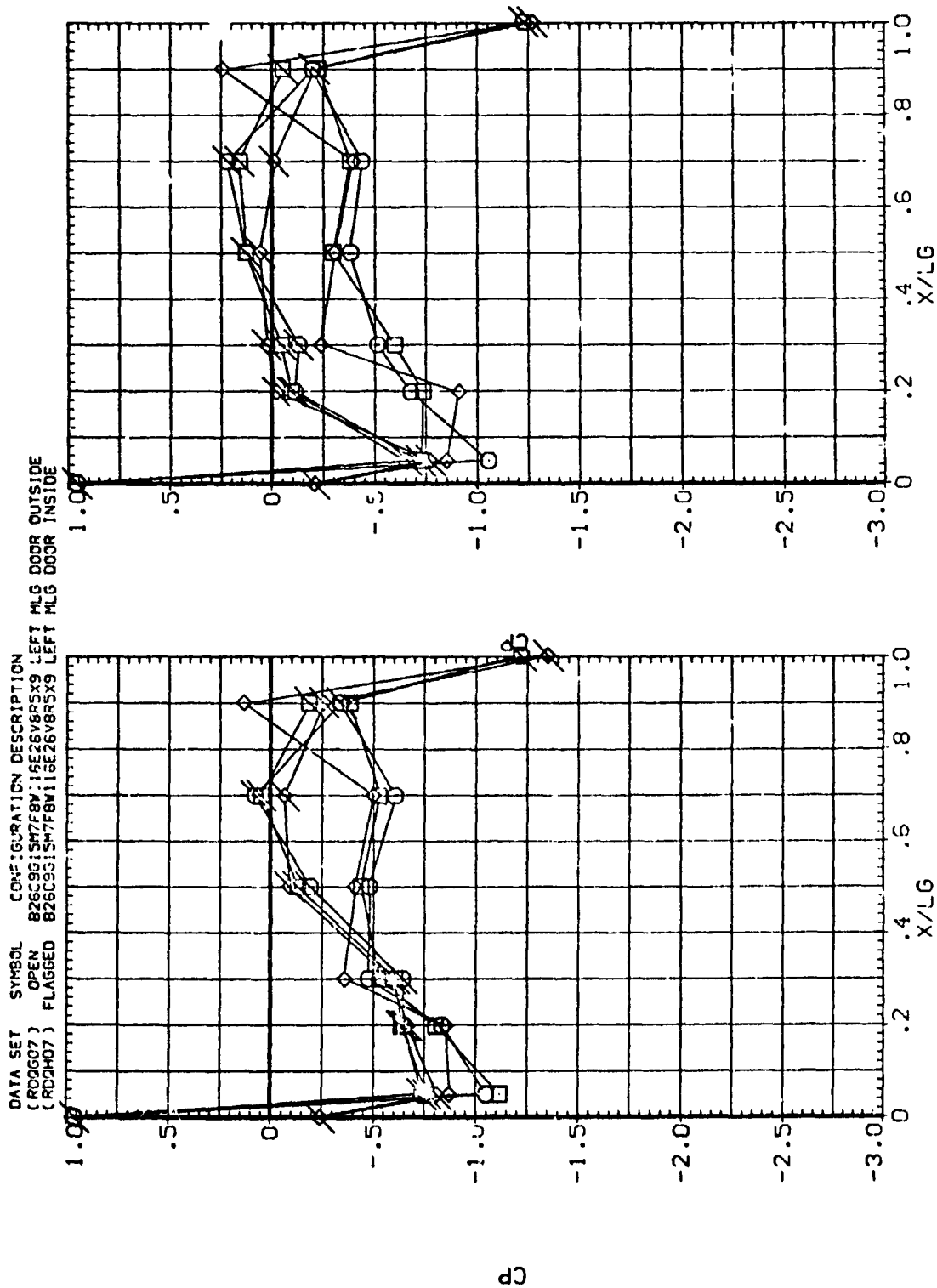


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL Z/HG ALPHA BETA
 .250 5.030
 .500 10.100
 .750
 PARAMETRIC VALUES
 ELEVON -20.000 RUDDER .000
 BOFLAP -14.250 BETA

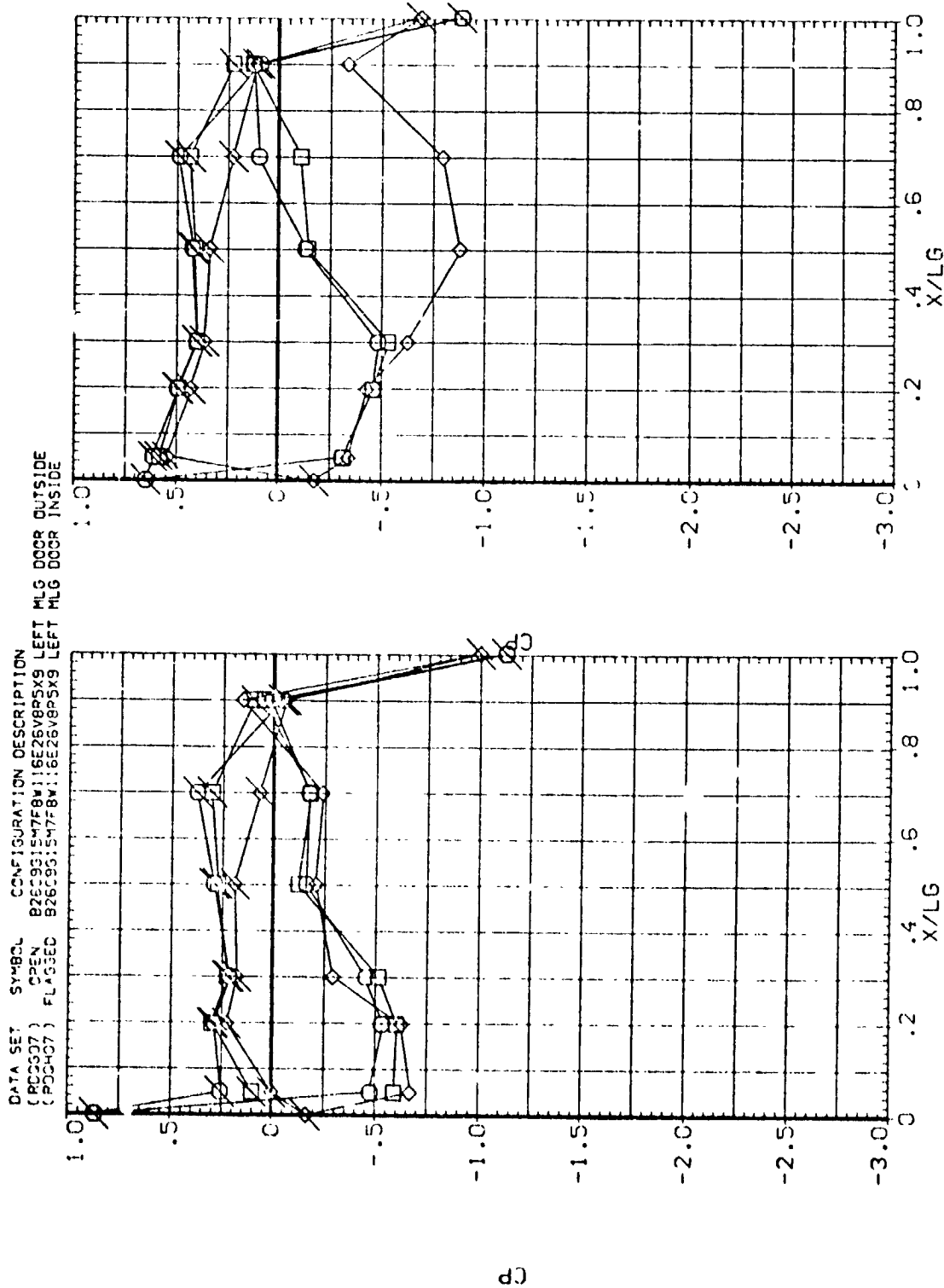


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

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SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	13.220	-.010	ELEVON	-20.000	RUDDER
□	.500	16.240		B*FLAP	-14.250	BETA
◇	.750					.000

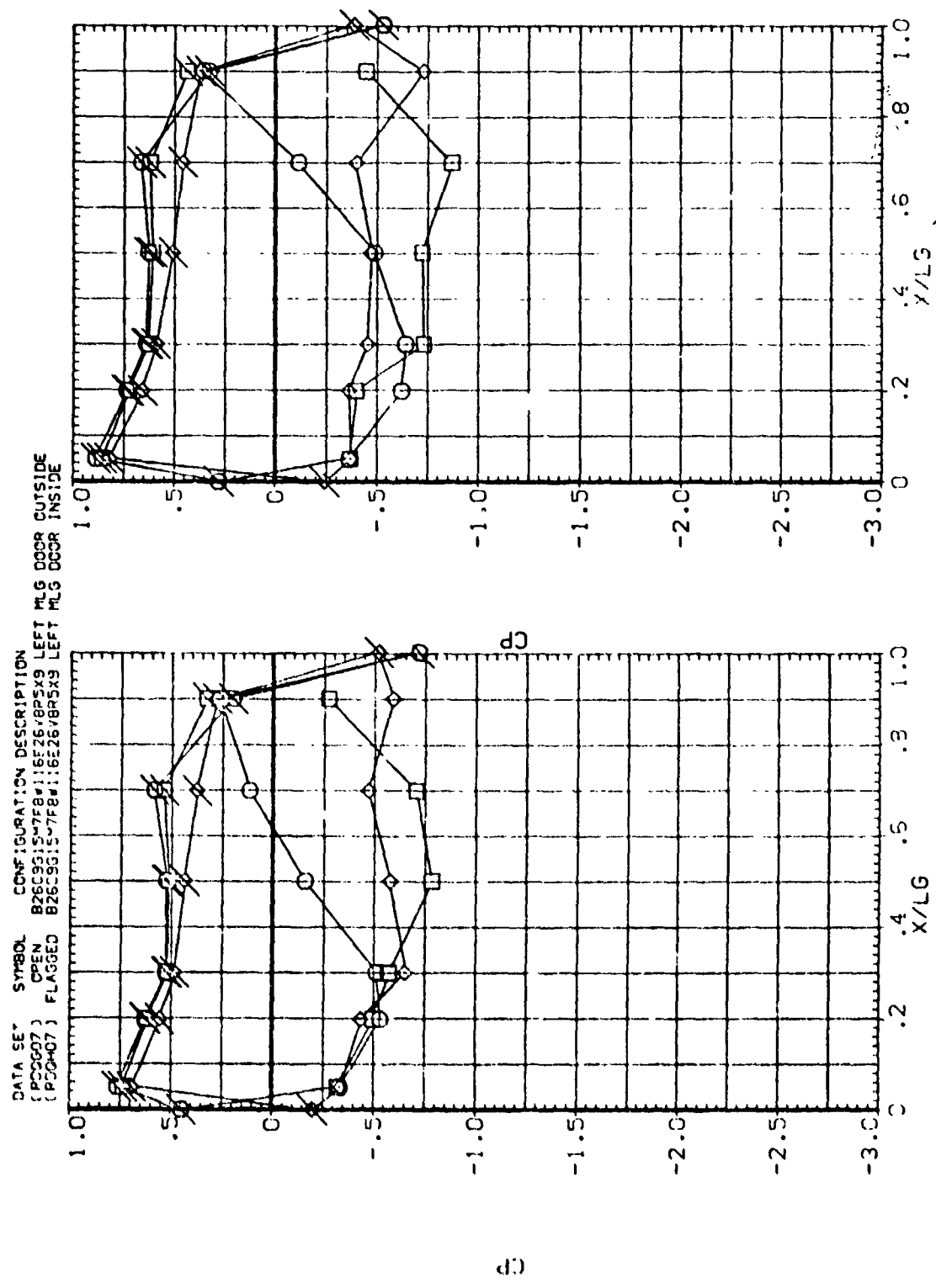


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUE	
○	.250	-2.970	10.050	ELEVON	-20.000
□	.500	.030		BD FLAP	-14.250
◇	.750			RUDDER	10.000
				BETA	10.000

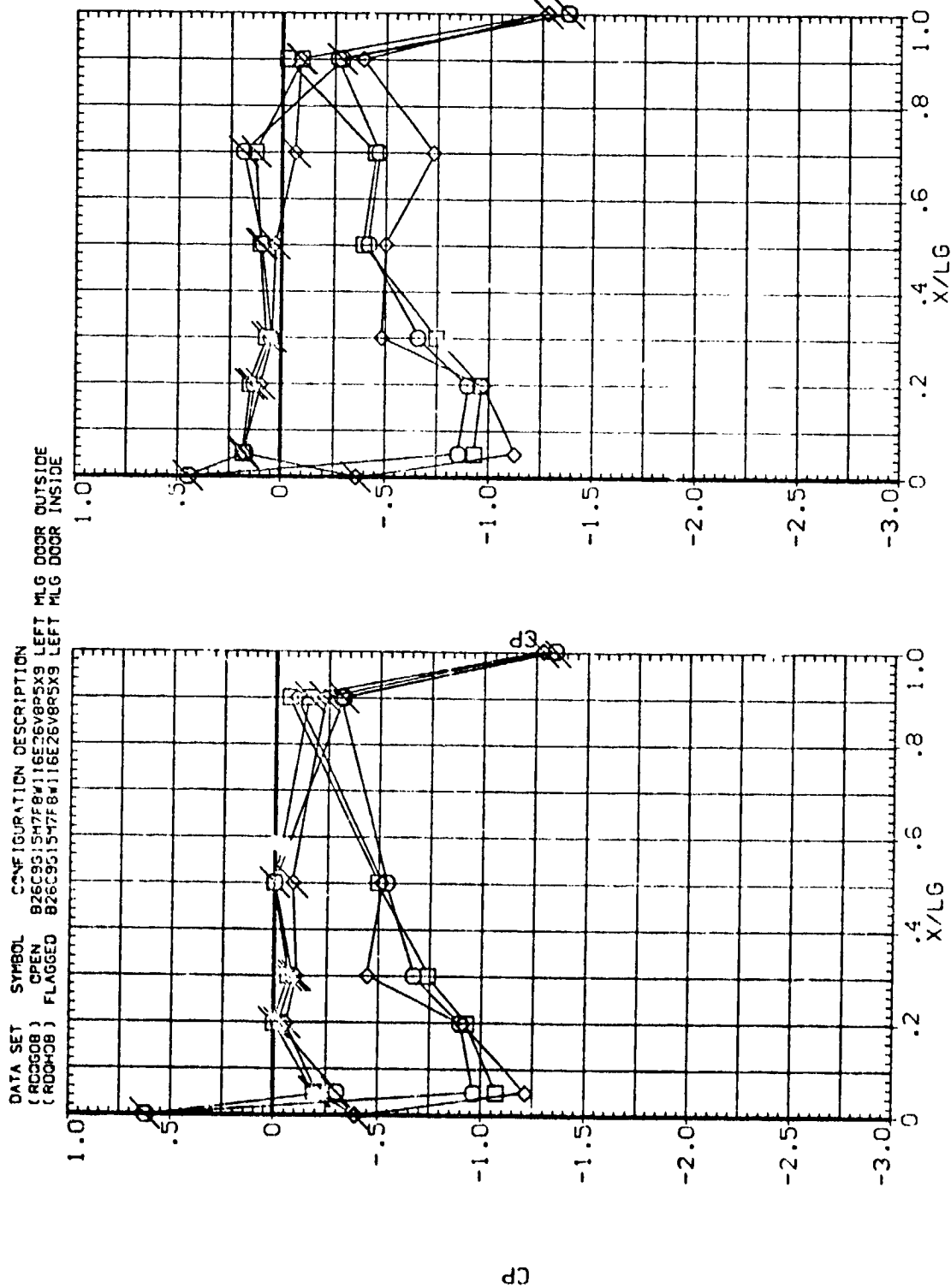


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/AG	ALPHA	BETA	PARAMETRIC VALUES
○	.250	5.020	10.050	ELEVON
□	.500	10.120	-20.000	RUDDER
◇	.750		-14.250	BETA
				10.000

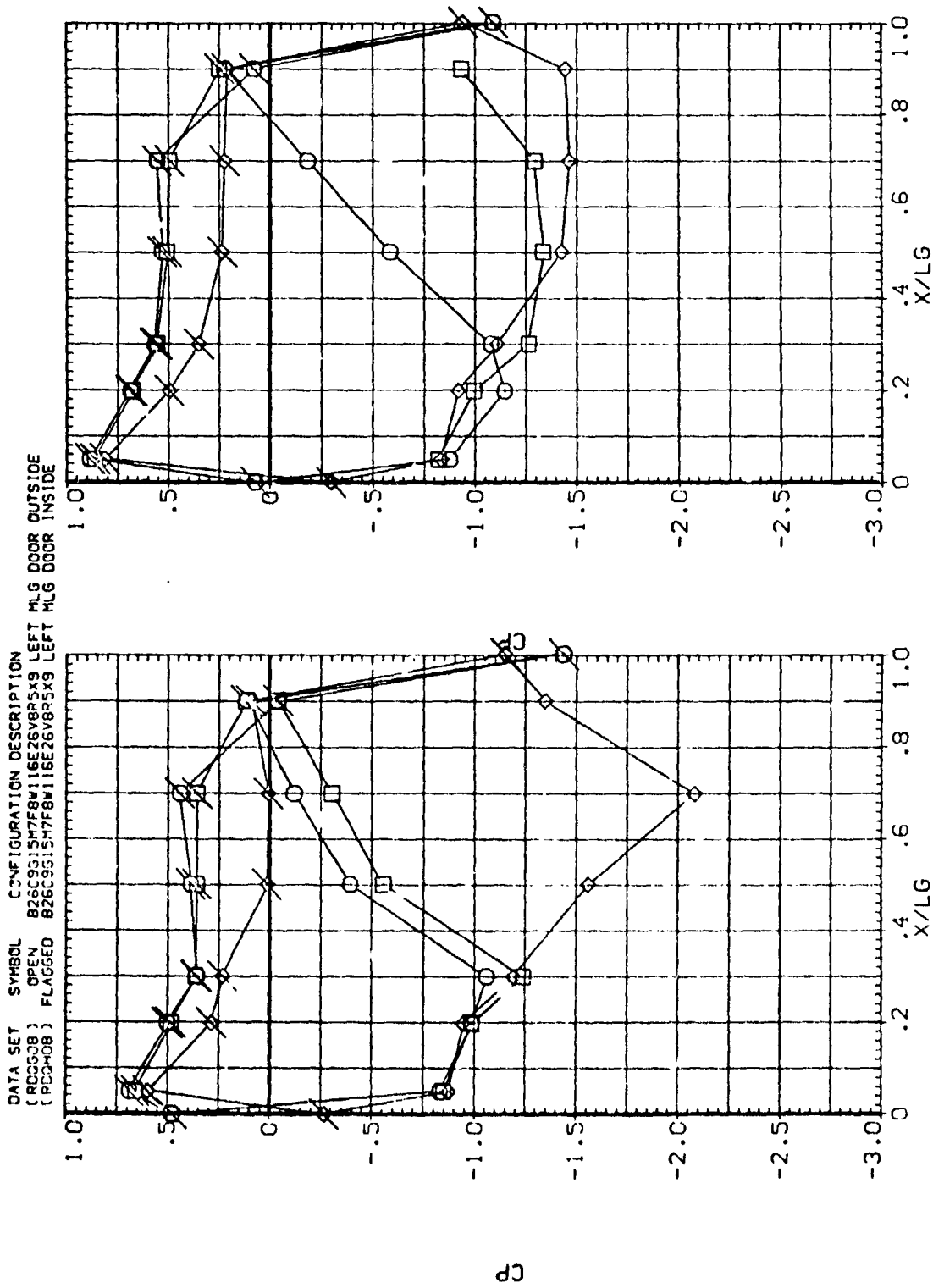


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES		
				ELEVON	RUDDER	
○	.250	13.190	10.050	-20.000		.000
□	.500	16.220		-14.250	BETA	10.000
◇	.750					

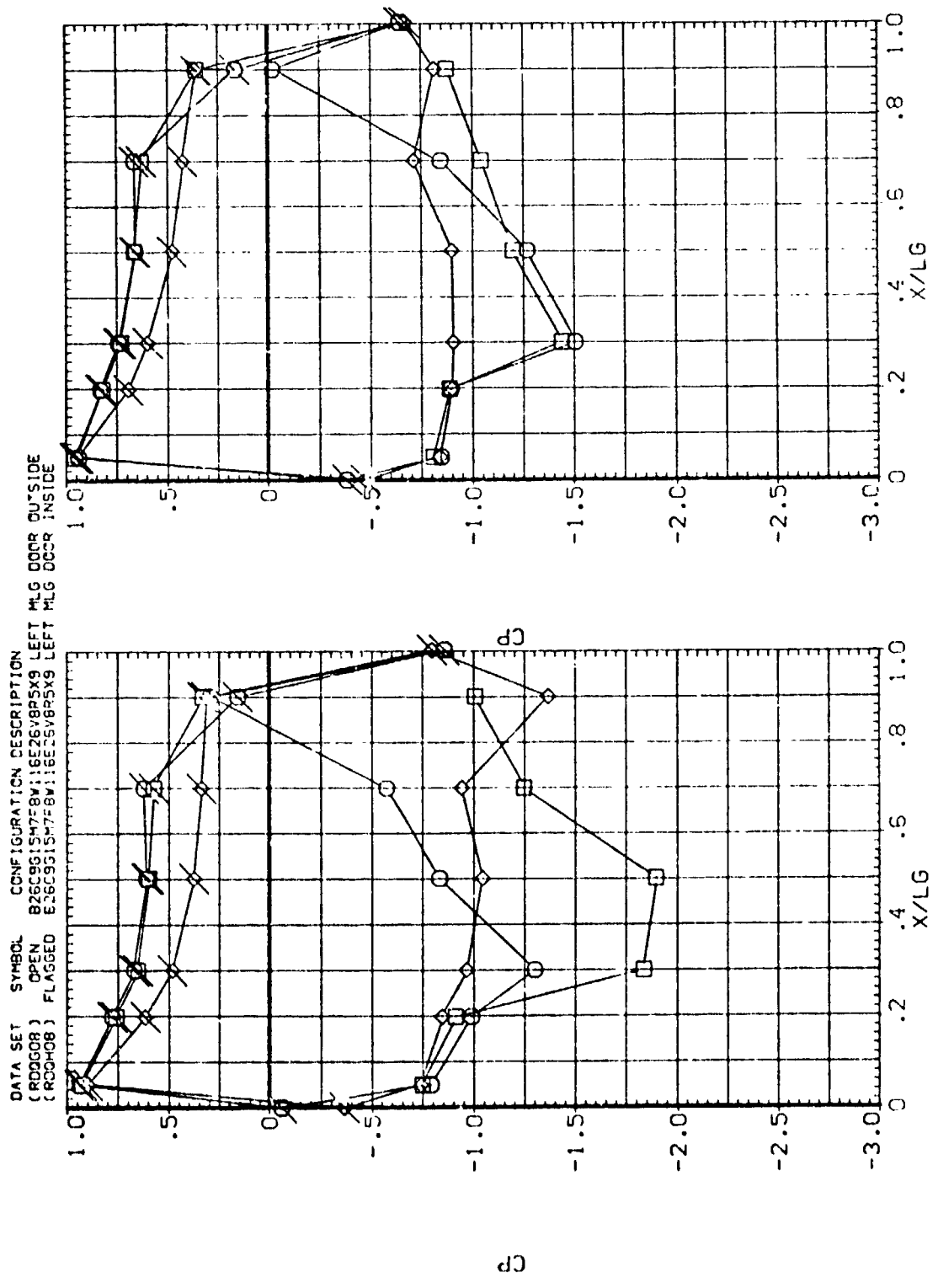


FIG. 41 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -20

SYMBOL	Z/LG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	-2.980	-10.060	ELEVON	-40.000	RUDDER
□	.500	.020		BDFLAP	-14.250	BETA
◇	.750					-10.000

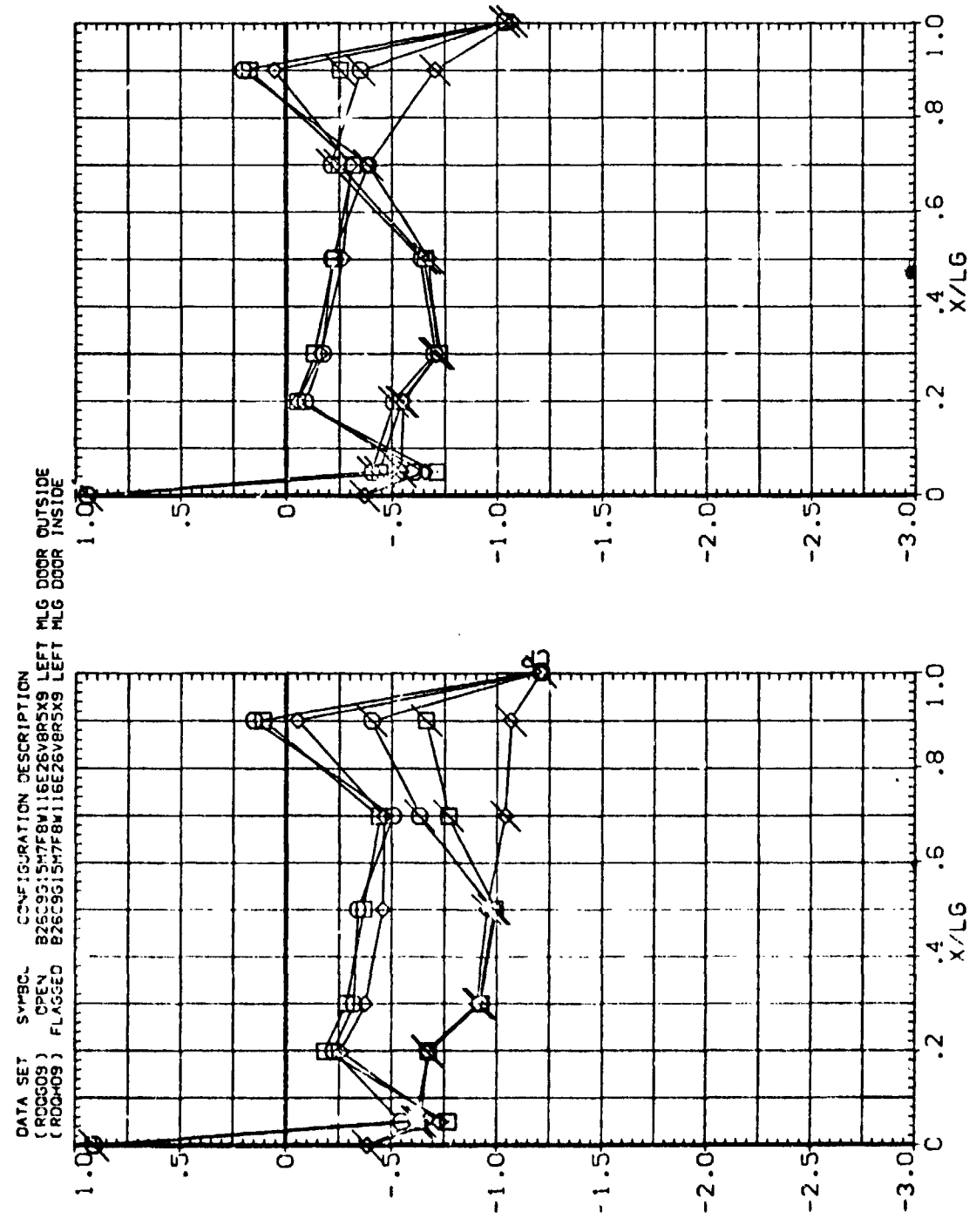


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	7/46	ALPHA	BETA	PARAMETRIC VALUES		
	.250	5.020	-10.063	ELEVON	-40.000	RUDDER
	.500	10.090		BDFLAP	-14.250	BETA
	.750					-10.000

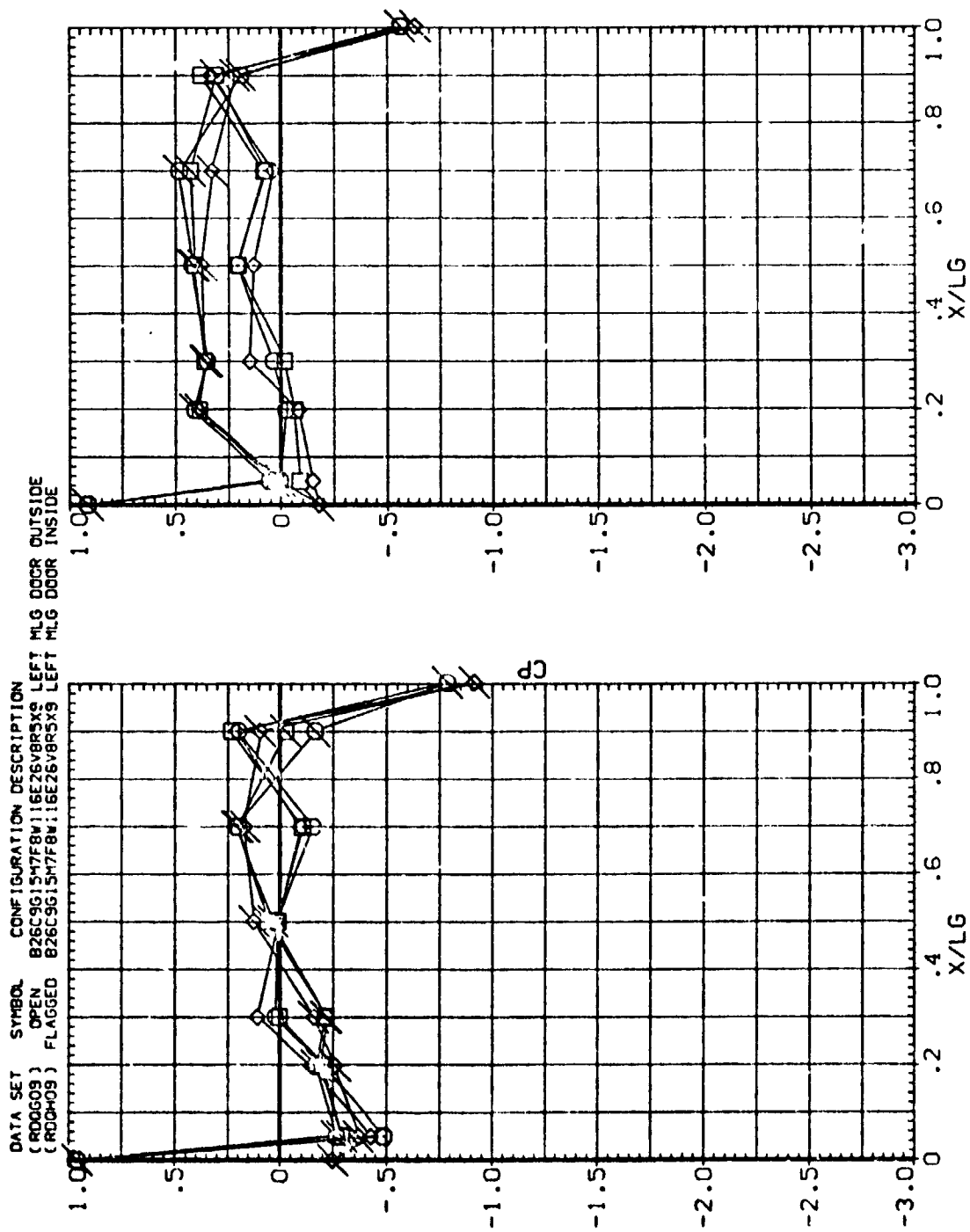


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/LG	ALPHA	BETA	ELEVON	PARAMETRIC VALUES
□	.250	3.190	-10.060	BOFLAP	-40.000 RUDDER .000
◇	.500	6.220			-14.250 BETA -10.000
◇	.750				

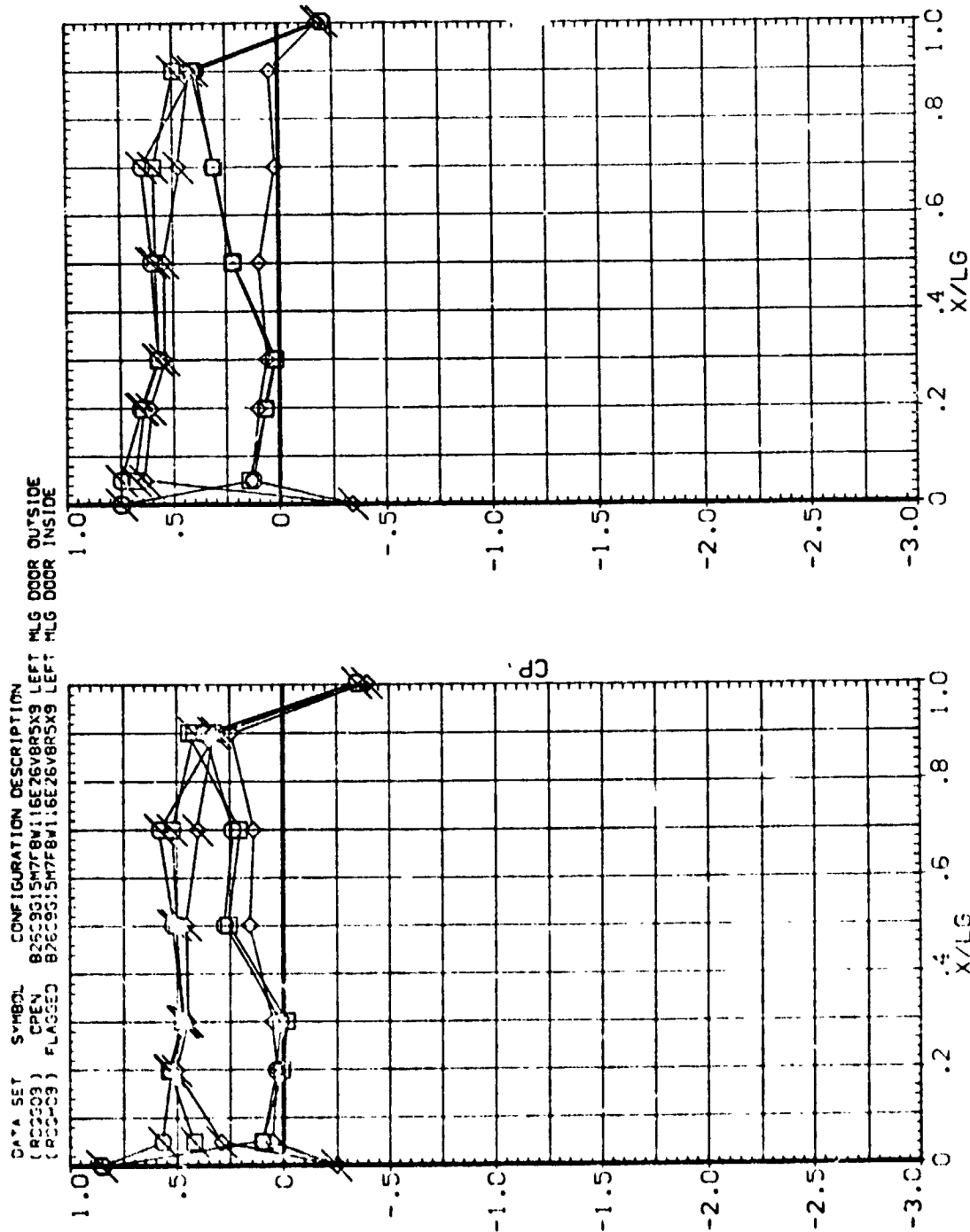


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/HG	ALPHA	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
□	.250	-2.950	-.010	-40.000		RUDDER .000
◇	.500	.050		-14.250		BE ^{TA} .000
◇	.750					

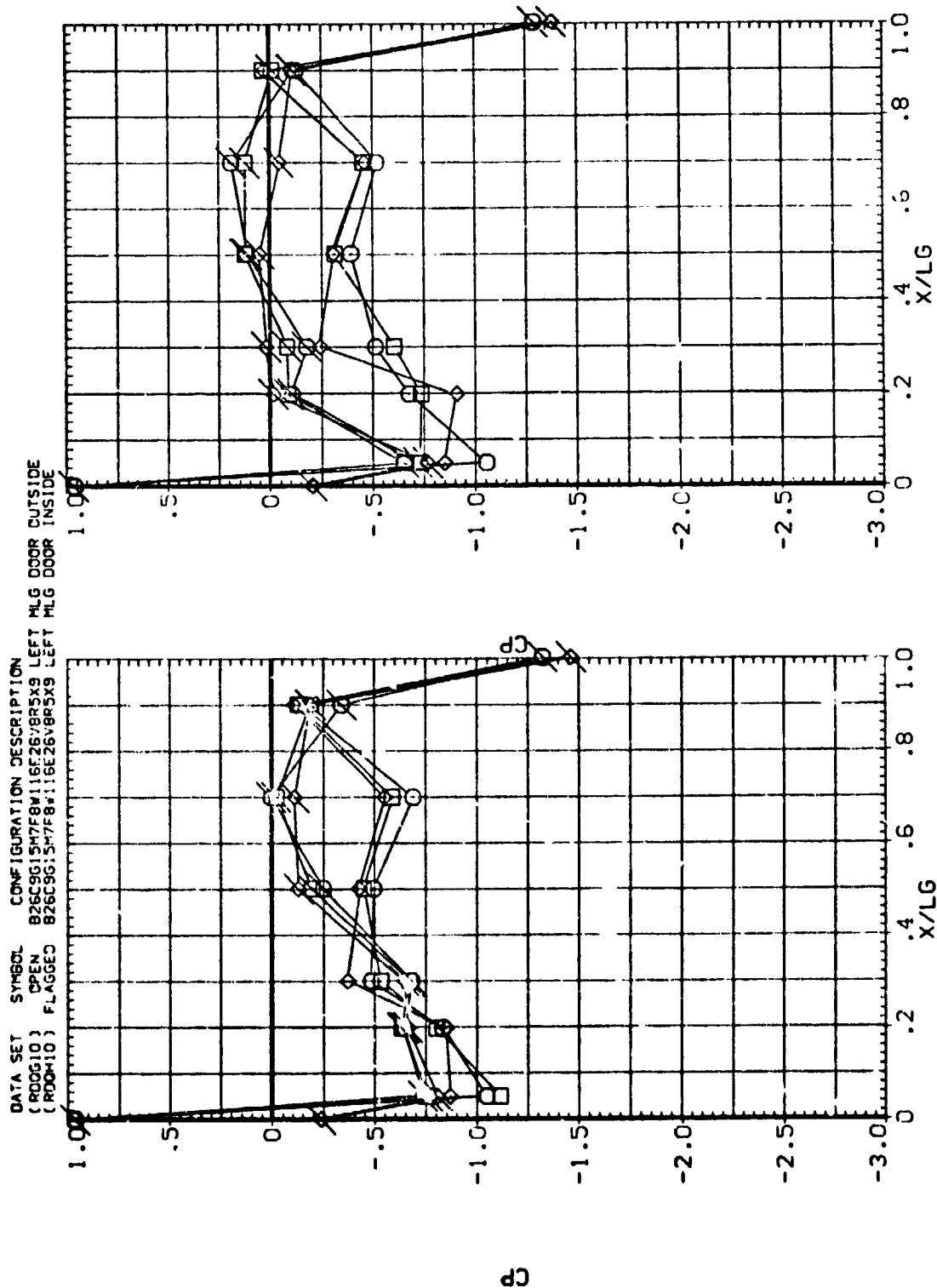


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL

Z/HG

ALPHA

BETA

5.030

10.100

-.016

0.250

0.500

0.750

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

0.000

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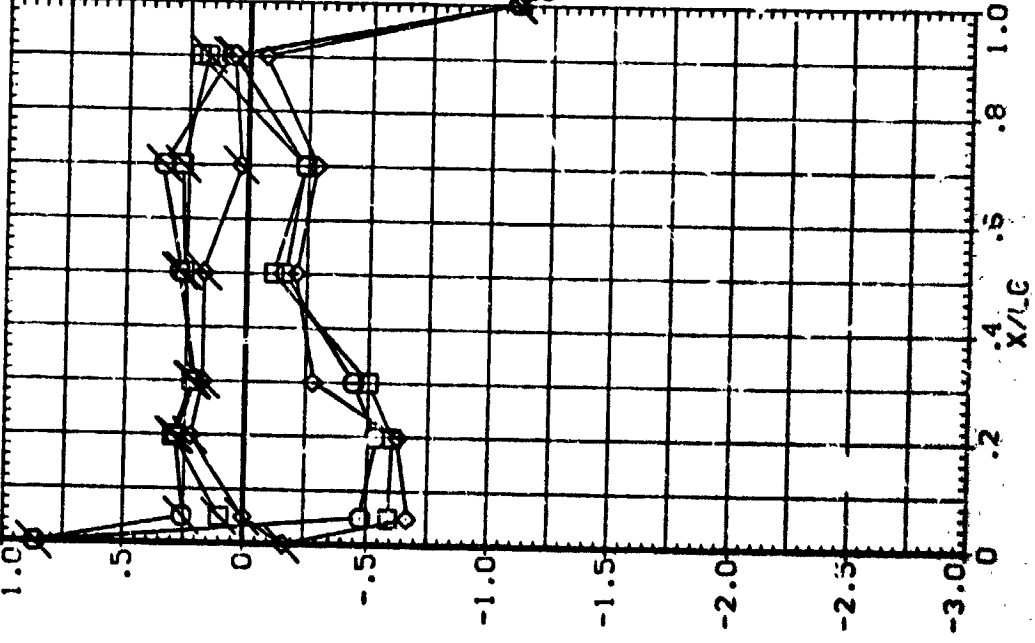
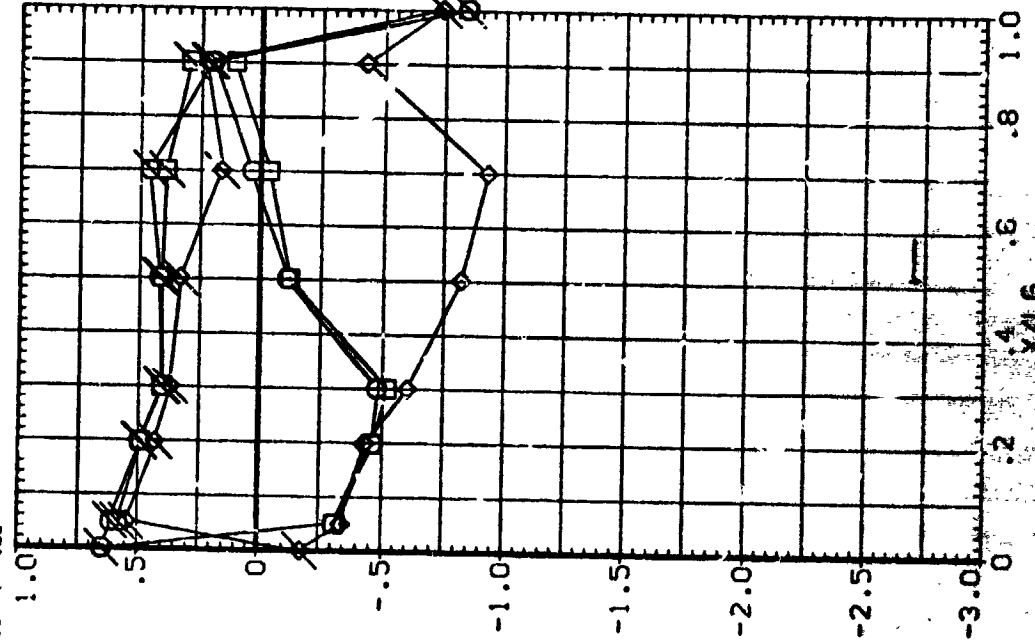
0.000

0.000

0.000

0.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROOM10) OPEN B26C9G15M7F8V115E2S18R5X9 LEFT HLG DOOR OUTSIDE
 (ROOM10) FLAGGED B26C9G15M7F8V115E2S18R5X9 LEFT HLG DOOR INSIDE



SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES	
○	.250	13.220	- .010	ELEVON	-40.000 RUDDER
□	.500	16.240		BDFLAP	-14.250 BETA
◇	.750				.000

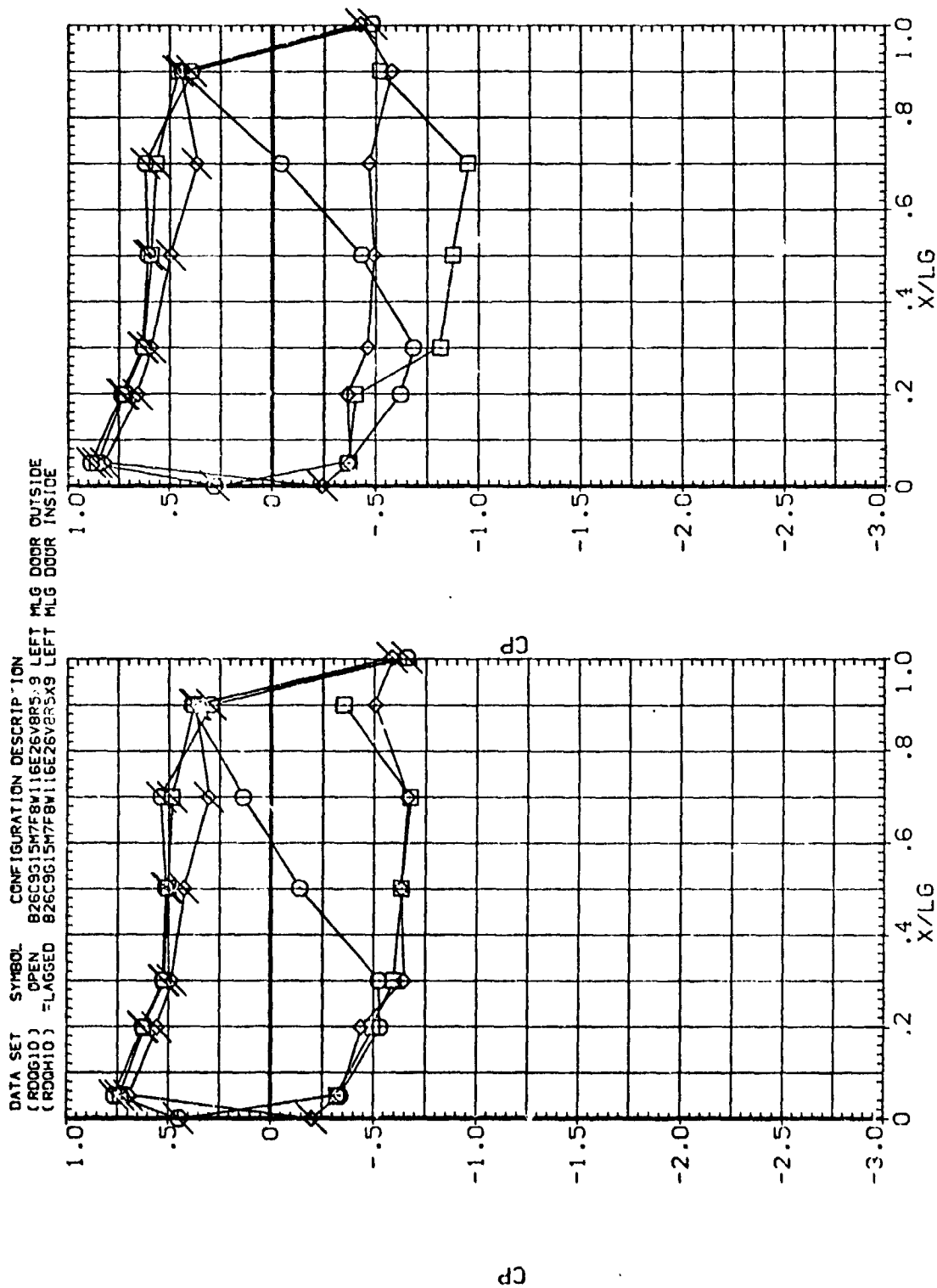


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

S1.BUL Z/HG ALPHA BETA
 .250 -2.970 10.050
 .500 .030
 .750

PARAMETRIC VALUES
 ELEVON -40.000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00G11) OPEN B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR OUTSIDE
 (R00H11) FLAGGED B26C9G15M7F8V116E26V8R5X9 LEFT MLG DOOR INSIDE

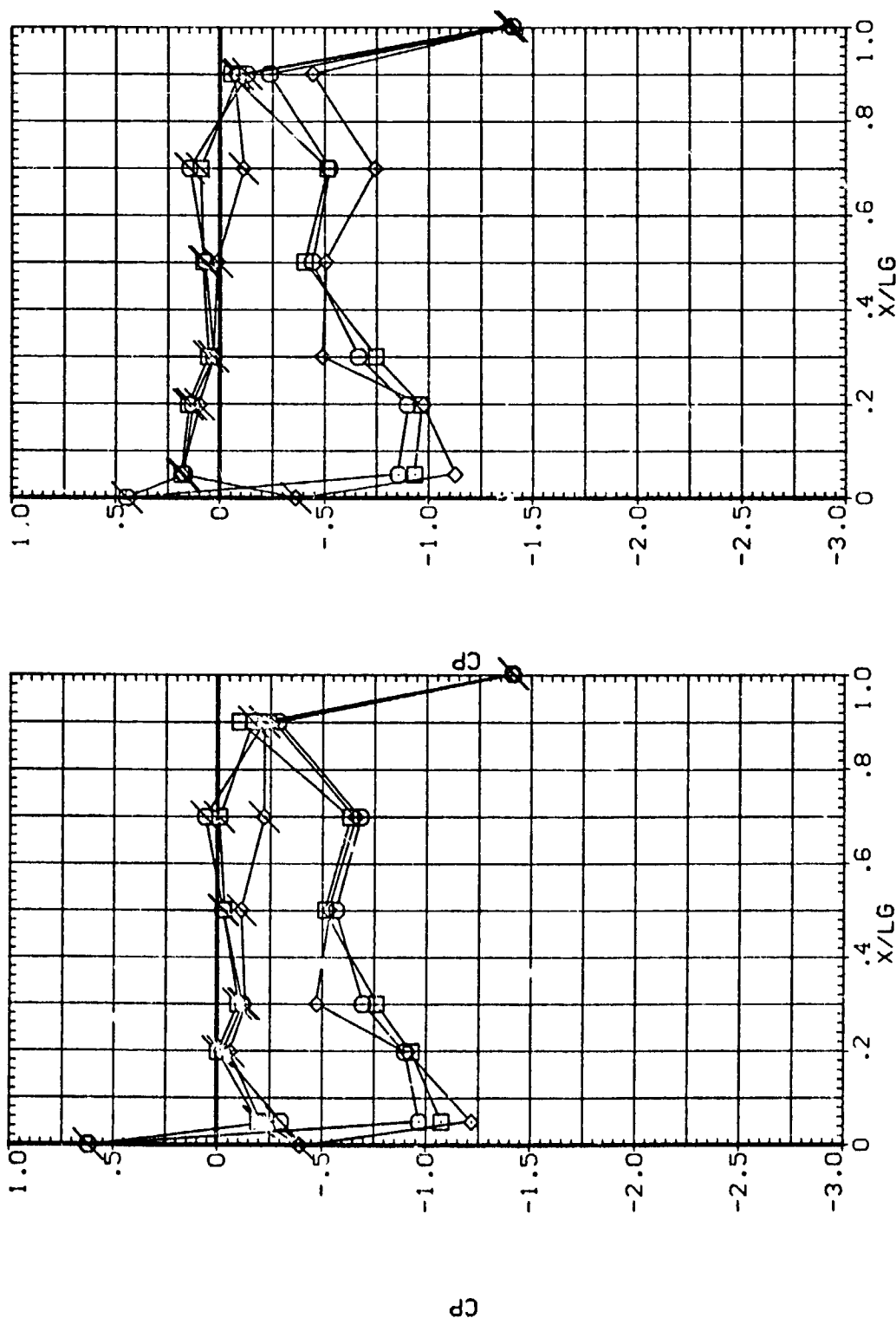


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -10
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SYMBOL	Z/HG	ALPHA	BETA	ELEVON	BDFLAP	PARAMETRIC VALUES
○	.250	5.020	10.050	-40.000	-14.250	RUDDER
□	.500	10.120	10.000			BETA
◇	.750					

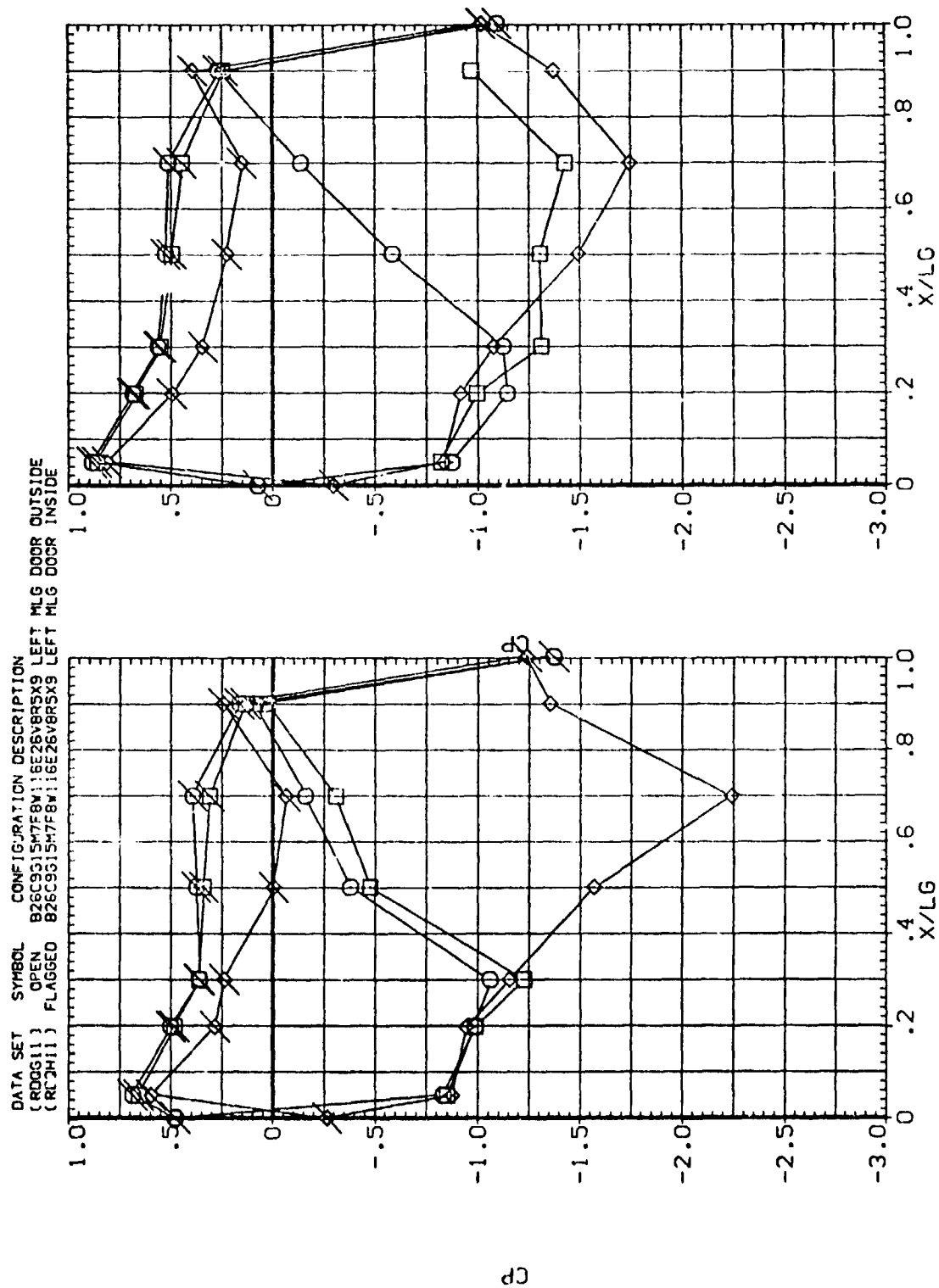


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

SYMBOL	Z/HG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	13.190	10.050	ELEVON	-40.000	RUDDER
□	.500	16.220		BDFLAP	-14.250	BE"A
◇	.750					10.000

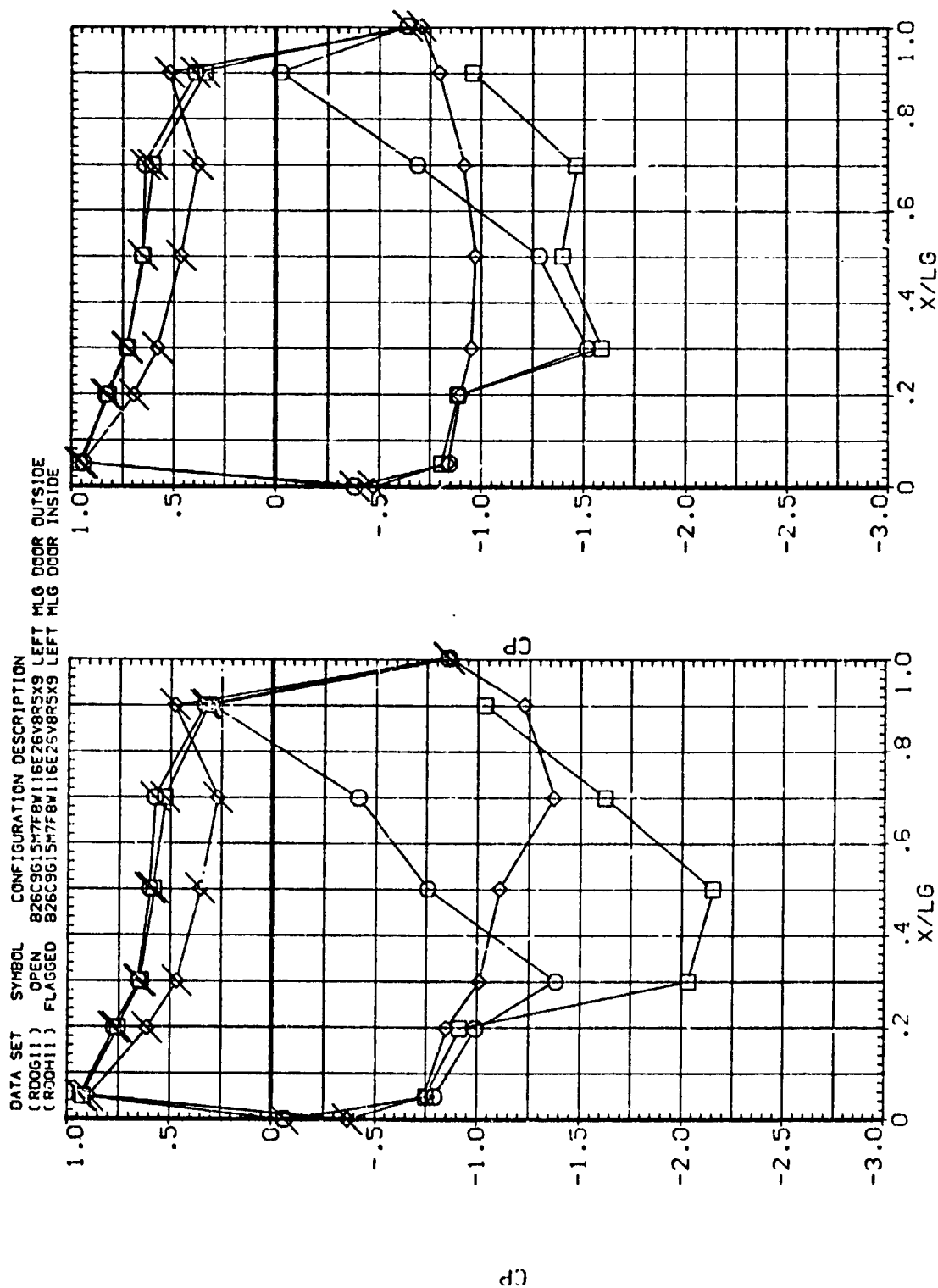
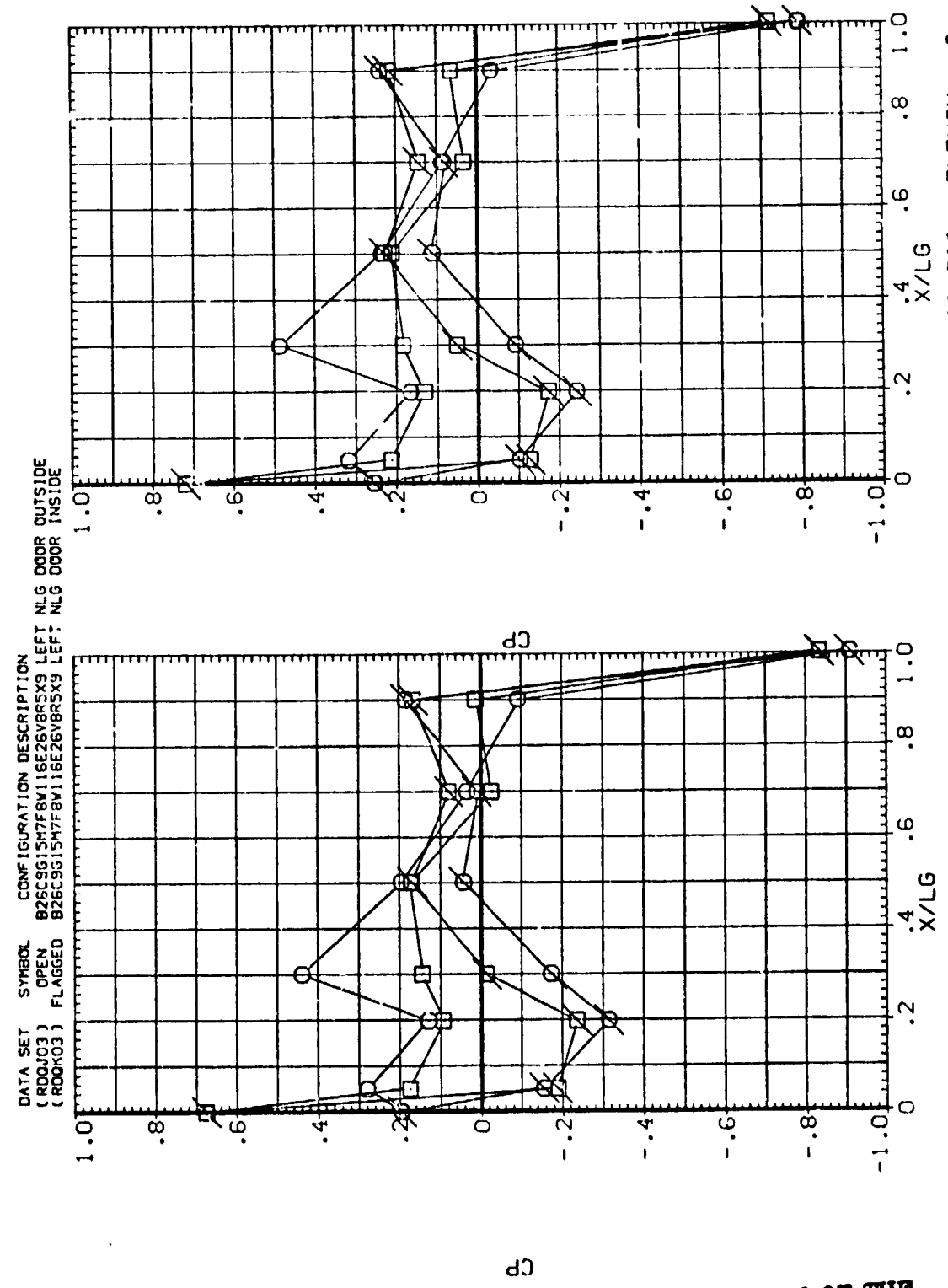


FIG. 42 MAIN LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = -40

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PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP -14.250 BETA -10.000

SYMBOL Z/MG ALPHA BETA
□ .250 -2.980 -10.060
○ .750 .020



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FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
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SYMBOL	Z/NG	ALPHA	BETA	PARAMETRIC VALUES		
○	.250	5.020	-10.060	ELEVON	.000	RJDDER
□	.750	10.090	-10.060	BCFLAP	-14.250	BETA

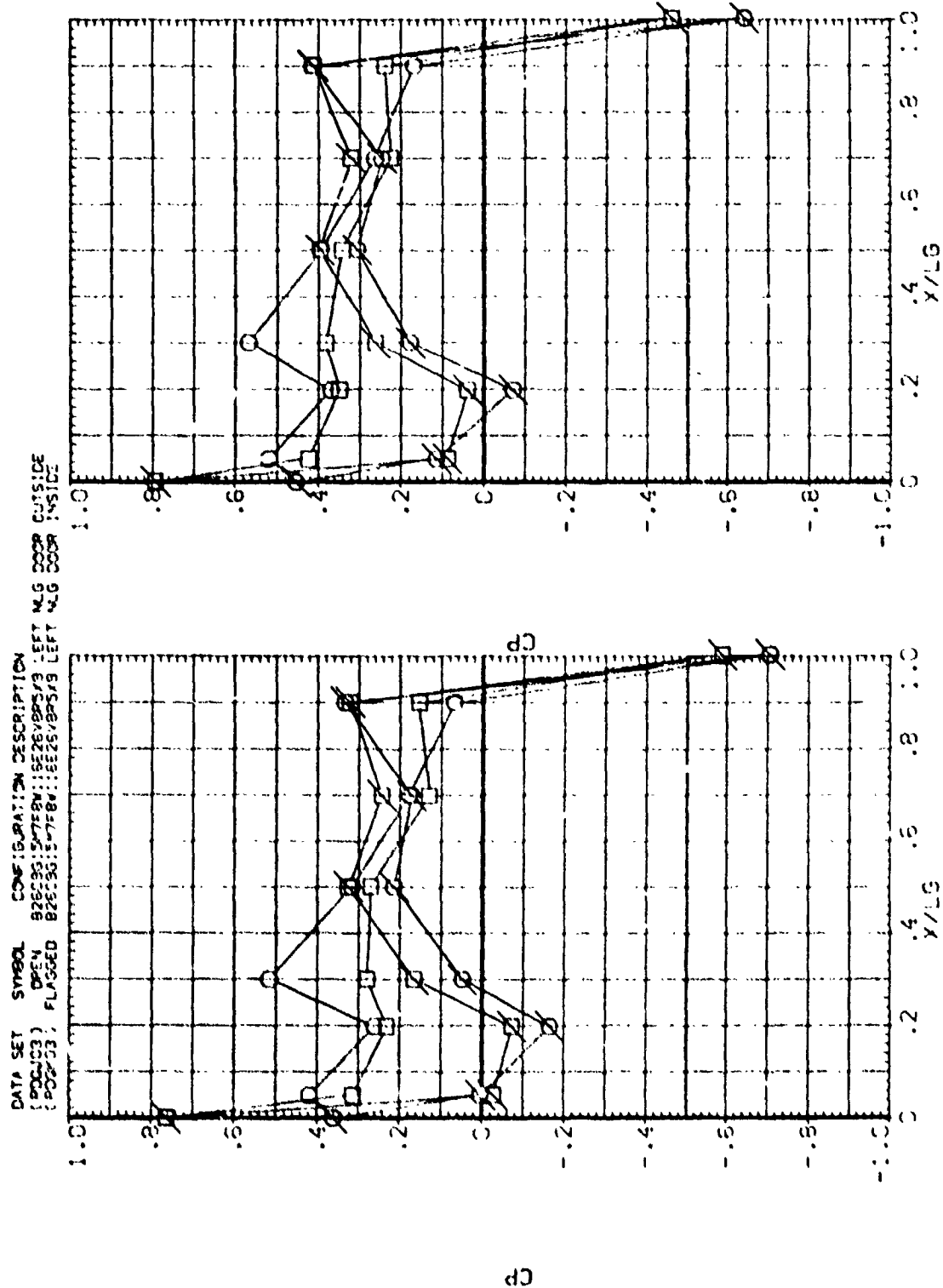


FIG. 40 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/NG ALPHA BETA
 .250 13.130 -10.060
 .750 15.220

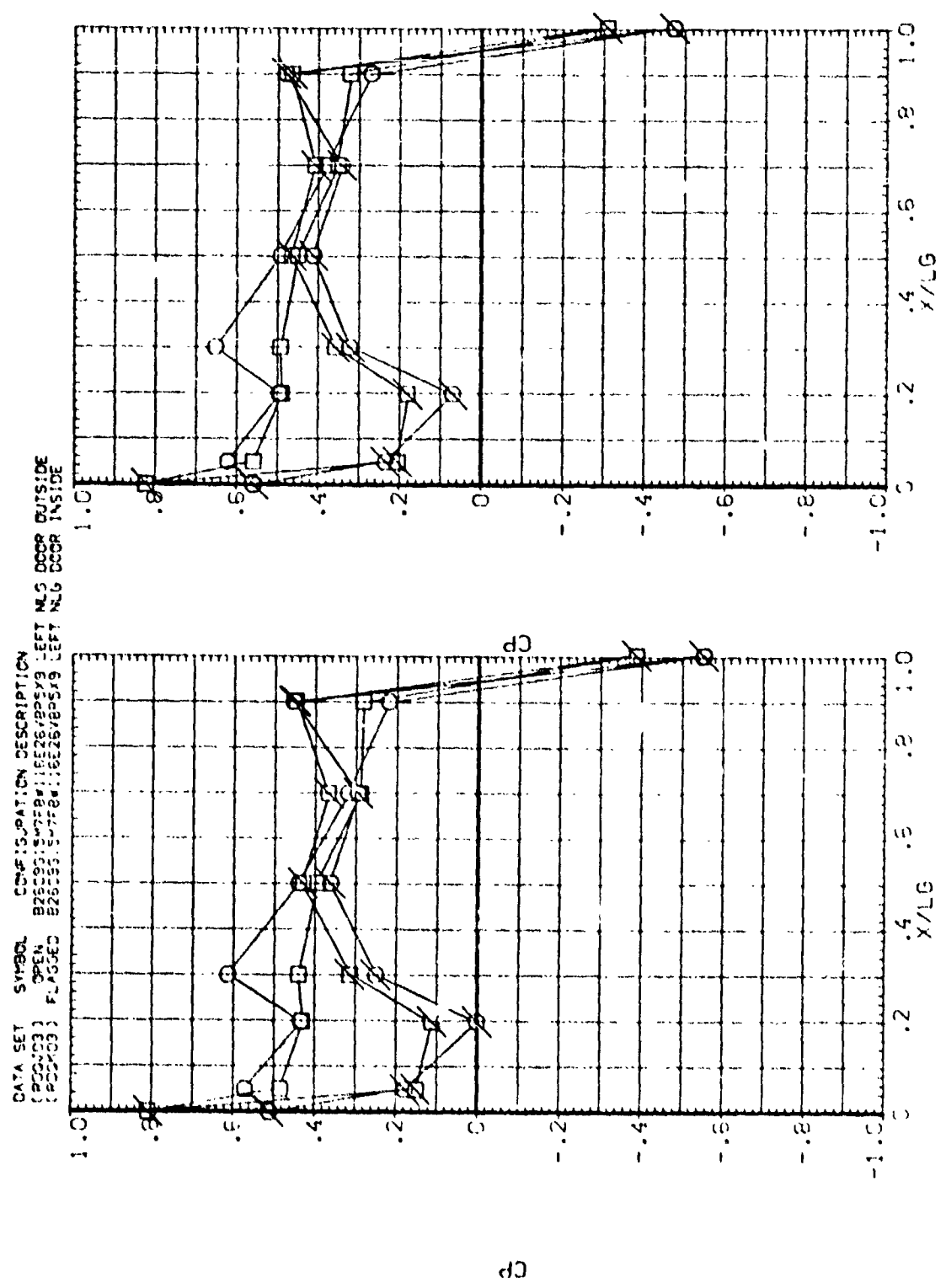


FIG. 43 NOSE LANDING GEAR 0225 LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

S-2C
 Z/WG
 .250
 .750
 ALPHA
 -2.950
 .050
 BETA
 -.010
 ELEVON
 .000
 RUDDER
 .000
 BDFLAP
 -14.250
 BETA
 .000

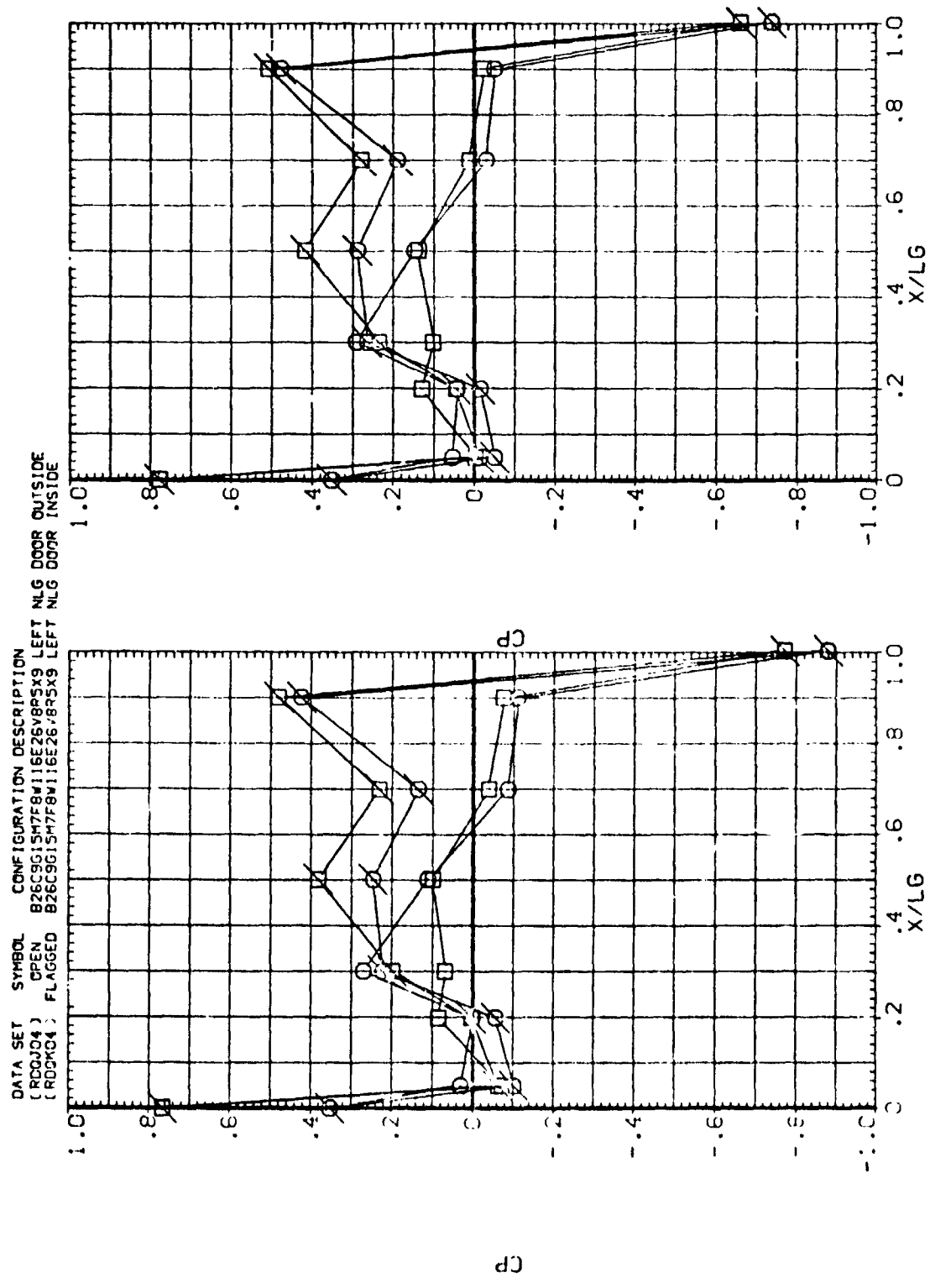


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

SYMBOL Z/HG ALPHA BETA
 ○ .250 5.030
 □ .750 10.100

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (R00J04) OPEN B26C9G15H7F8W116E26V8P5X9 LEFT NLG DOOR OUTSIDE
 (R00K04) FLAGGED B26C9G15H7F8W116E26V8P5X9 LEFT NLG DOOR INSIDE

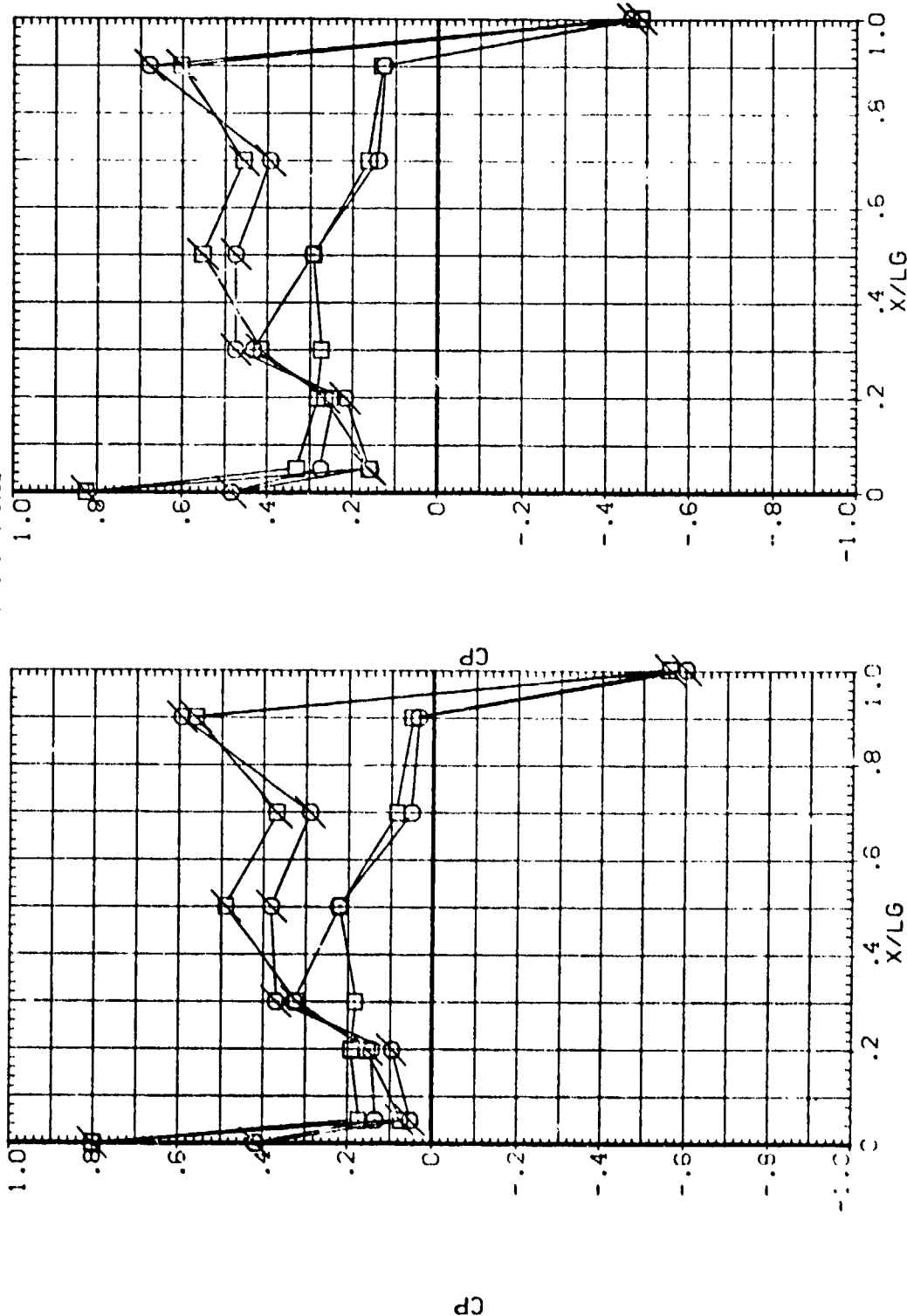


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, $ELEVON = 0$

S'YMBOL	Z/HG	ALPHA	BETA	ELEVON	BOFLAP	PAP-METRIC VALUES	RUDDER	BETA
○	.250	13.220	-.010	.000		.000	.000	.000
□	.750	16.240		-14.250				

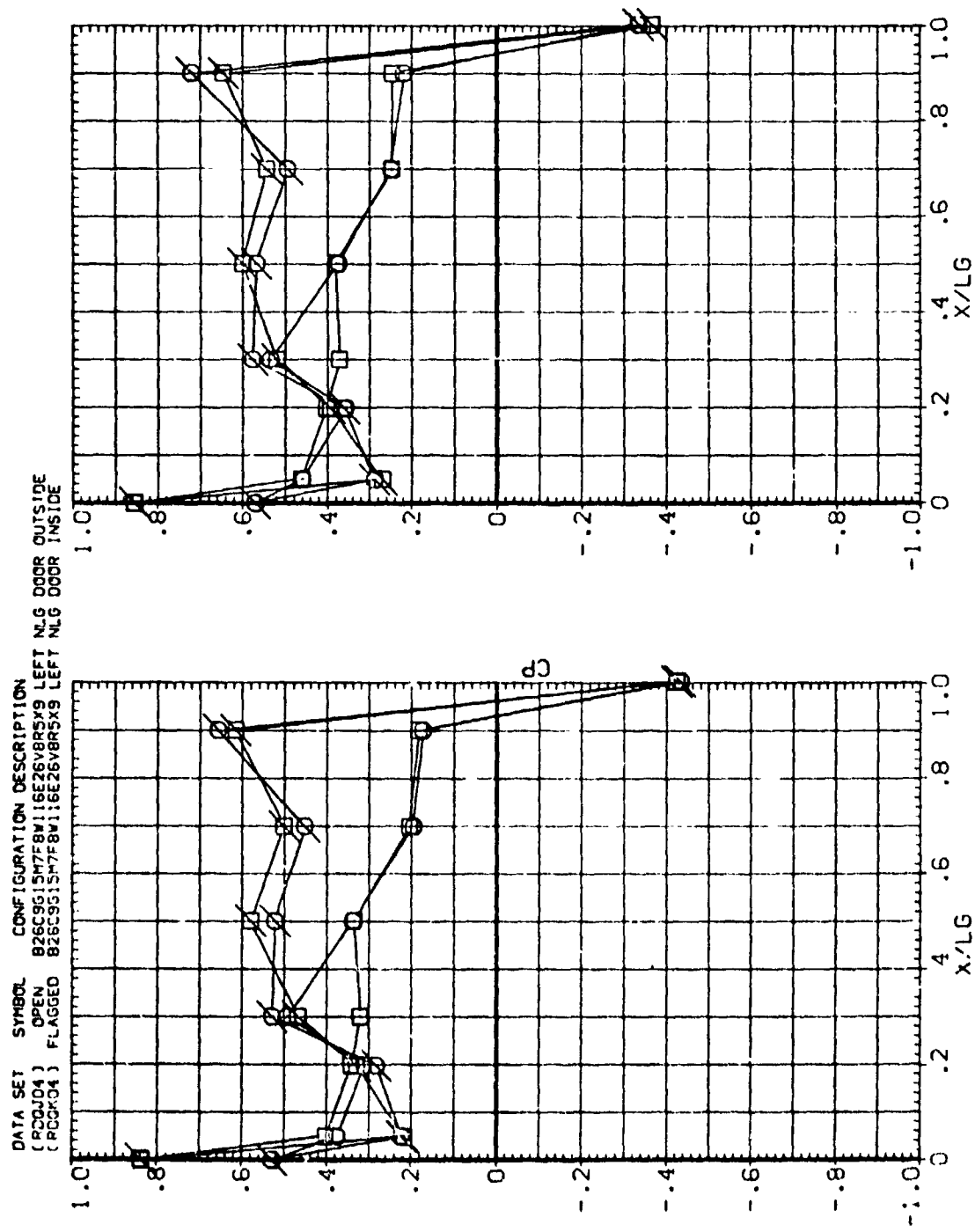


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

PARAMETRIC VALUES
 ELEVON .000 RUDDER .000
 BDFLAP -14.250 BETA 10.000

DATA SET SYMBOL CONFIGURATION DESCRIPTION
 (ROQJ05) OPEN B2679G15W7F8W116E25V8R5X9 LEFT NLG DOOR OUTSIDE
 (ROQJ05) FLAGGED B2679G15W7F8W116E25V8R5X9 LEFT NLG DOOR INSIDE

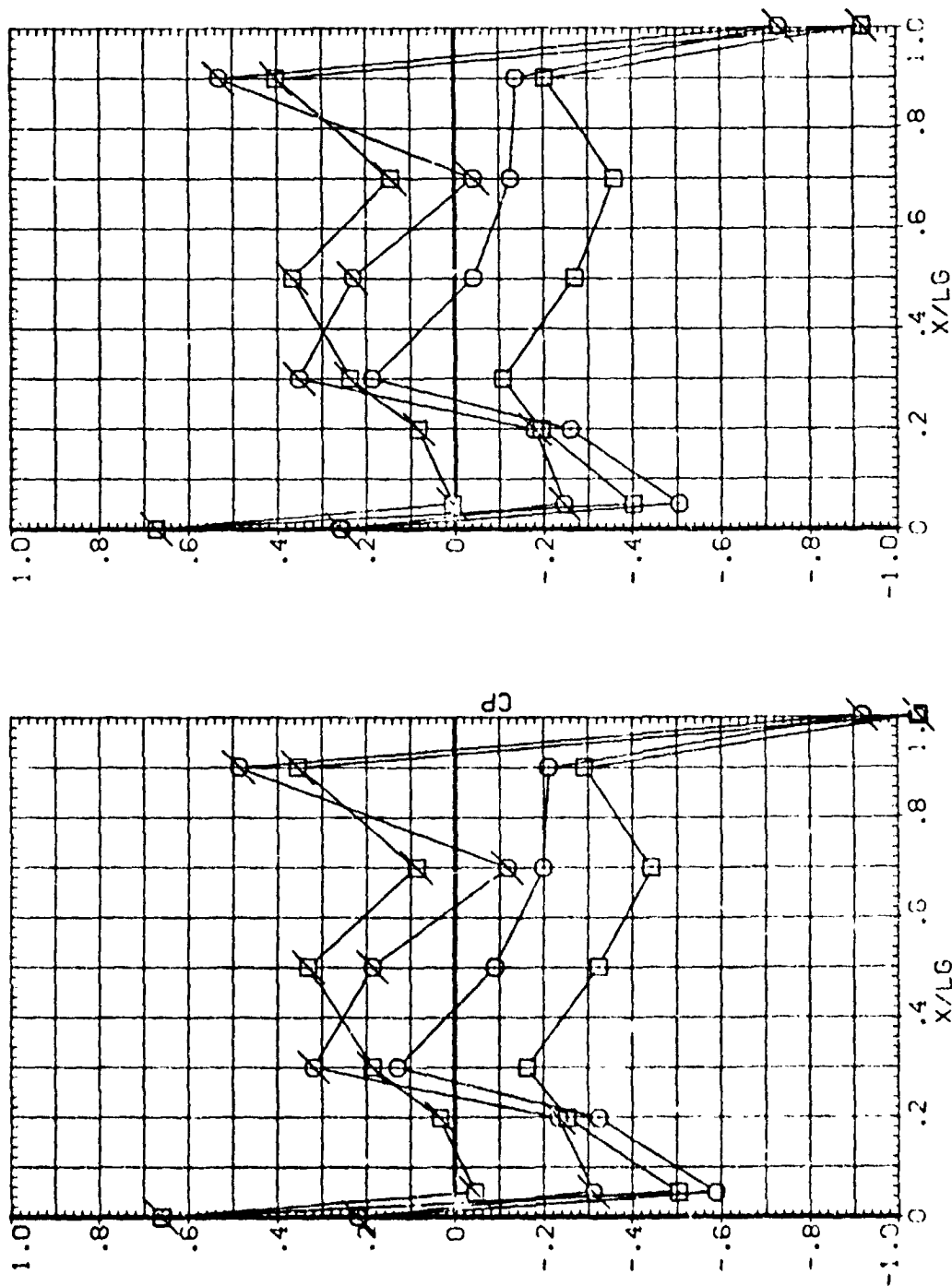


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0

STEP 2 Z/HG ALPHA BETA
 .250 5.020 10.050
 .750 10.120

ELEVON
 8DFLAP

PARAMETRIC VALUES
 .000 RUDDER
 -14.250 BETA

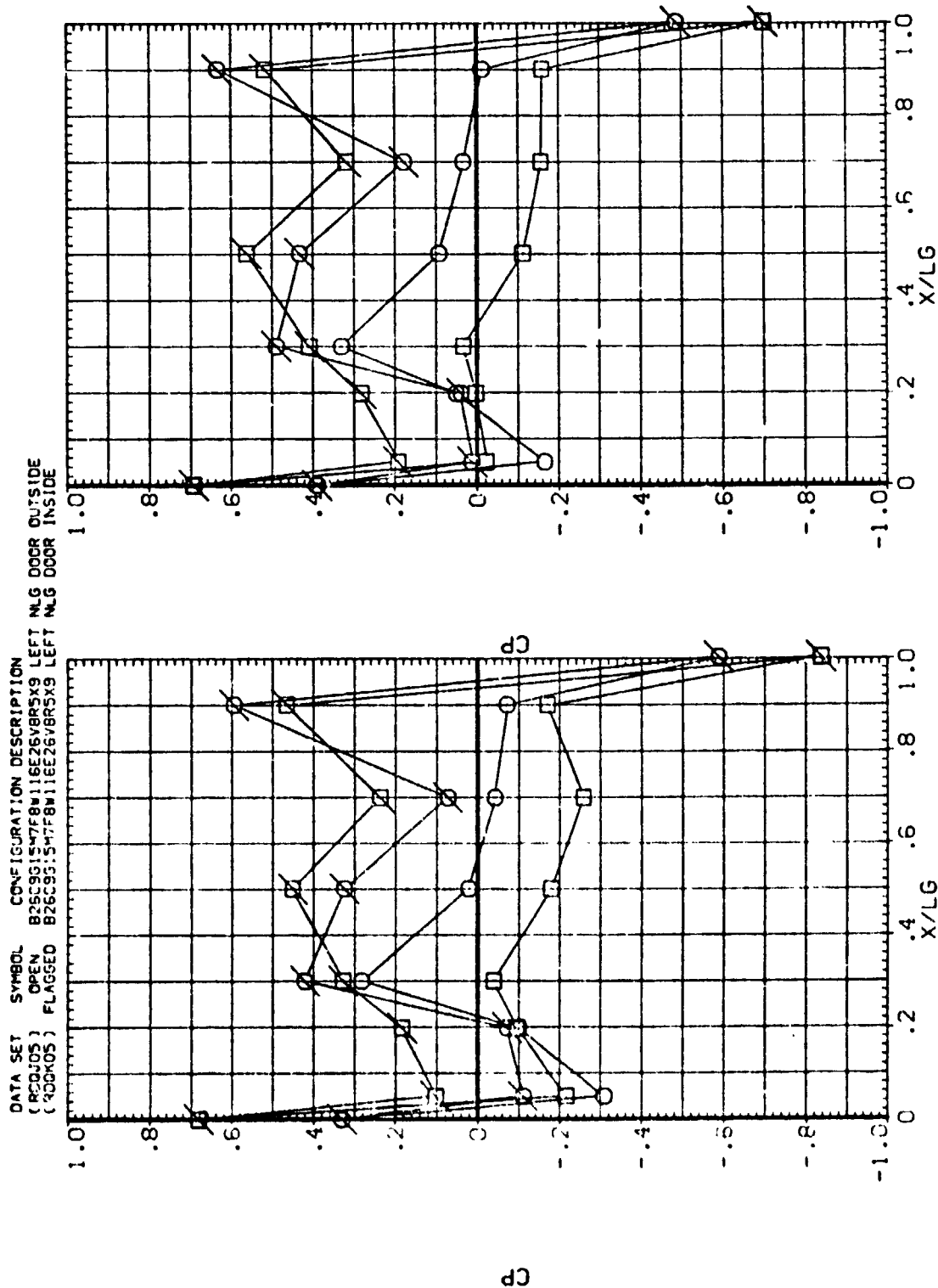


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
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PARAMETRIC VALUES
ELEVON .000 RUDDER .000
BDFLAP 14.250 BETA 10.000

SYMBOL Z/HG ALPHA BETA
□ .250 13.190 10.050
○ .750 16.220

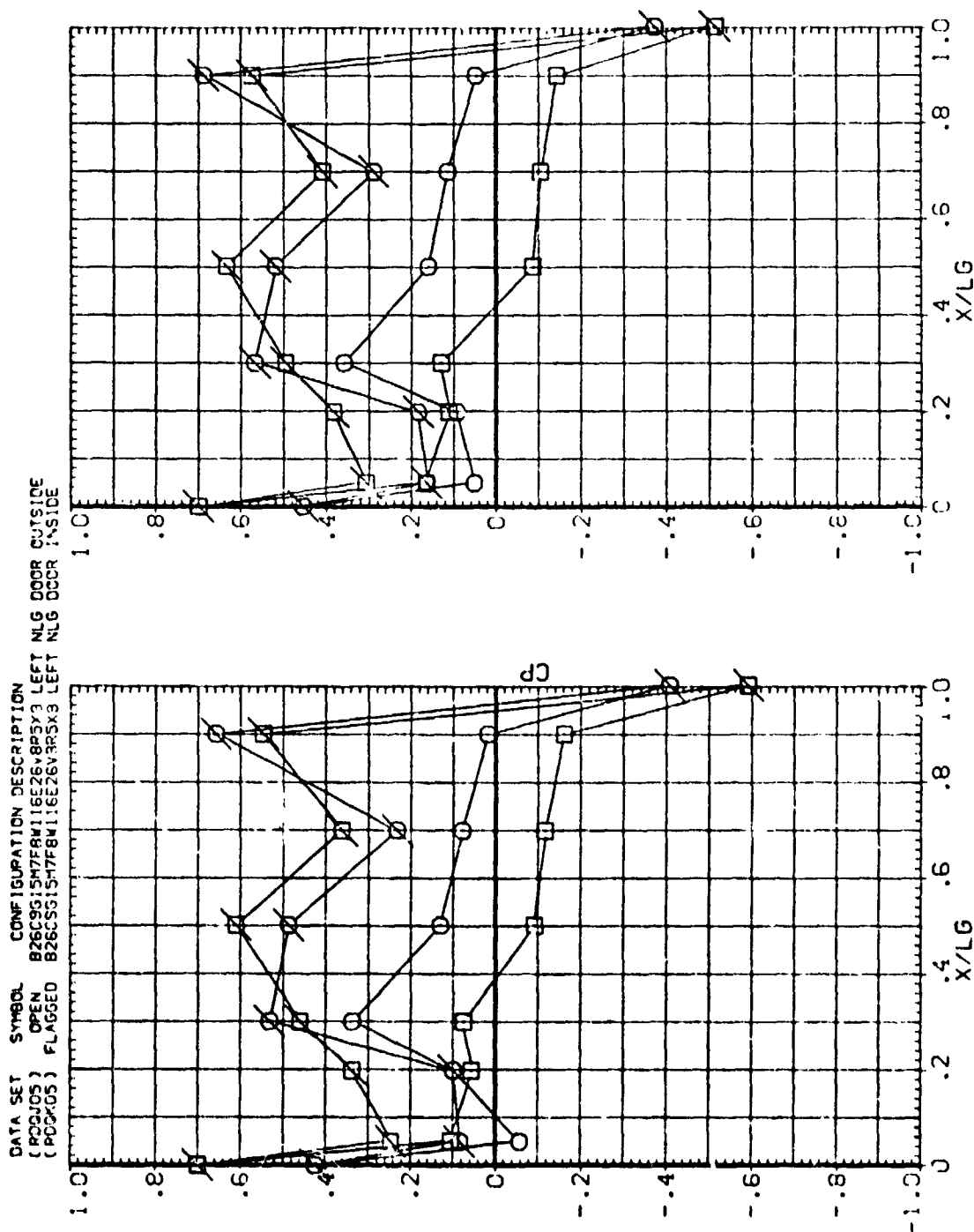


FIG. 43 NOSE LANDING GEAR DOOR LONGITUDINAL PRESSURE DISTRIBUTION, ELEVON = 0
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